

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, OCTOBER 22, 1924

No. 17

MONSANTO

Fine and Medicinal Chemicals

The art of Chemical manufacture is nowhere so well exemplified as in Monsanto Fine and Medicinal chemicals. . . Each product, the criterion in its field, is but a natural result of more than twenty years of concentration in laboratory and plant. . . For example—compare the free salicylic content of Monsanto Aspirin (Acetyl Salicylic Acid) or the color of Monsanto Sodium Salicylate with that of any other manufacturer. Those firms who demand the best specify Monsanto

SALICYLIC ACID SODIUM SALICYLATE ACETYL SALICYLIC ACID SALOL
(ASPIRIN)

in addition to which we are also offering

METHYL SALICYLATE STRONTIUM SALICYLATE AMMONIUM SALICYLATE
CALCIUM SALICYLATE MAGNESIUM SALICYLATE

and many other fine and medicinal chemicals, technical chemicals and intermediates,
which are available for prompt shipment or on contract.

Samples and prices will be sent upon request

Monsanto Chemical Works
SAINT LOUIS, USA.

NEW YORK

CHICAGO



In This Issue { *German Government For Low Prices*
Quinine Monopoly Report

Sulphur Chloride



*The
Mark
of
Dependability*

Manufacturers whose requirements demand special specifications as to the sulphur or chlorine content of Sulphur Chloride should investigate our ability to supply this product to meet their peculiar demands.

PHOSPHORUS OXYCHLORIDE
CARBON TETRACHLORIDE
SODIUM PHOSPHATE
ACETIC ANHYDRIDE
ALUMINUM HYDRATE
SULPHUR CHLORIDE
PHOSPHORIC ACID
CAUSTIC SODA

THE WARNER CHEMICAL CO.

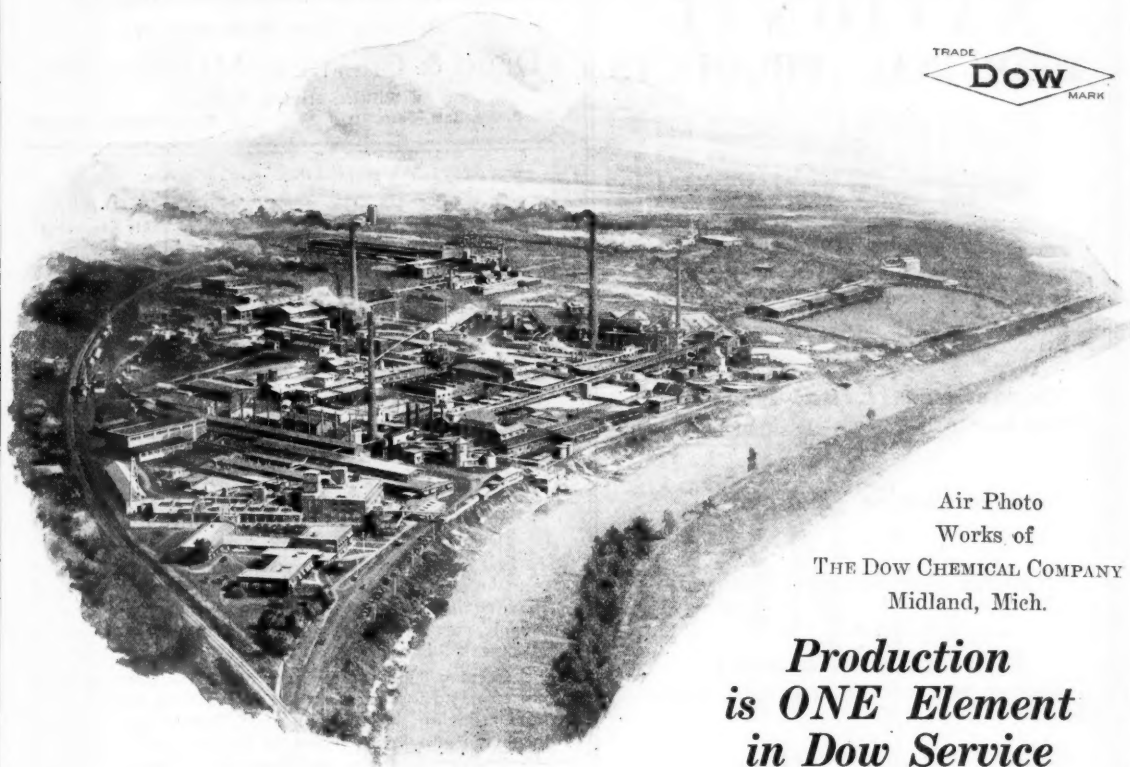
52 Vanderbilt Avenue

New York, N. Y.

Plants: Carteret, N. J.

Exclusive Sales Agents for Westvaco Chlorine Products, Inc.,

So. Charleston, W. Va.



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Midland, Mich.

***Production
is ONE Element
in Dow Service***

Large scale production at our main plant is but one of the elements in Dow service to those who depend upon us for steady supplies year after year.

Warehouses are maintained in principal cities. Branch Sales Offices in New York and Saint Louis cooperate with the sales activities of the home office. A highly organized shipping service aids our production and sales divisions in meeting the needs of our customers.

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THE DOW CHEMICAL COMPANY, MIDLAND, MICH., U. S. A.

BRANCH SALES OFFICES

90 West Street, New York City

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NATIONAL MEDICINAL PRODUCTS



Methylene Blue U.S.P.

Conforming in every particular to
the requirements of the
Pharmacopea

Scarlet Red (Extra) Medicinal

Pure—Low Ash Content—High melting point

Acriflavine (National)

Neutral Acriflavine (National)

Proflavine (National)

Licensed by The Chemical Foundation, Inc.

REAGENTS

Special

Absolute Pure Methyl Alcohol
Acetone Free

Special Absolute Pure Toluene

Special Absolute Pure Xylene



Pharmaceutical Division

**NATIONAL
ANILINE & CHEMICAL CO.**

Incorporated

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VOLUME XV

NUMBER 17

The Week in Brief

News

The first chapter of the Department of Commerce report
on the Quinine Monopoly showing how the Dutch
have gained control of 90 per cent of the world's
supply, appears on page 1243 of DRUG & CHEMICAL
MARKETS this week.

The German Government has made the first move in
an effort to force lower prices by cutting freight rates
and reducing the price of coal. Lower cost of living
at home and lower prices in foreign trade, wherever
competition is sharp, are expected to bring increased
prosperity to the nation.

Markets

Demand for industrial chemicals has been showing a
steady improvement. Price changes have been com-
paratively few, the majority of products holding
steady at recent values. Increased activity is reported
in consuming industries. Caustic potash prices are
higher and firm. Barium chloride is weak.

Selling competition and slow demand in cresylic acid
have resulted in lower quotations in the market. Buy-
ing in intermediates is reported improving with prices
holding steady. With textile mills showing increased
activity, the call for dyes is reported better. Benzol
continues scarce and firm in price.

Rising flaxseed prices and scarcity of spot oil have
caused crushers to advance prices of linseed oil 3
cents per gallon. Crude cottonseed oil is higher.
Menhaden oil is scarce and firm at season's peak price.
Edible oils are in demand. Turpentine is easier.
Rosins have advanced.

Fine chemicals are in active demand with few excep-
tions. Codliver oil is scarce on spot. Menthol is
quoted at \$8.75 lb. c.i.f. for January-March shipment.
Mercury is easy. Fusel oil is firm.

Essential oils show a tendency to ease off owing to the
high prices asked for a number of items. Buyers
say that prices are too high, and that they can afford
to wait for them to come down. Oil cedar wood
registers a new high. Oil lemon is higher.

Crude drugs are becoming firmer on higher replacement
costs. Mexican sarsaparilla is firmer. Cascara sagrada
is easy. Rhubarb is firm. Supplies of ipecac root
are closely held.

MATHIESON Chemicals

Commonwealth Chemical Corporation

COUMARIN

CCC

The rich fragrance of our Coumarin is due to its absolute freedom from chemical by-odors. Its proper use will not impair even the most delicate of perfumes and flavoring extracts.

Discriminating buyers need only send for a sample of our product to be convinced.

The **MATHIESON ALKALI WORKS Inc.**
25 WEST 43rd STREET NEW YORK CITY

Deal Direct with  **the Manufacturer**

Bicarbonate of Soda *Sesquicarbonate of Soda*
Liquid Chlorine-Caustic Soda *Bleaching Powder-Soda Ash*

BENZOIC ACID U. S. P.

CHLORINE FREE

SODA BENZOATE U. S. P.

(Stocks Carried)

**DENATURED
ALCOHOL**

(All formulas)

ACETATE of LIME

ACETONE C. P.

METHANOL

(All Grades)

ACETONE

(Methyl)

PHENOL

**HEXAMETHYLENE
TETRAMINE**

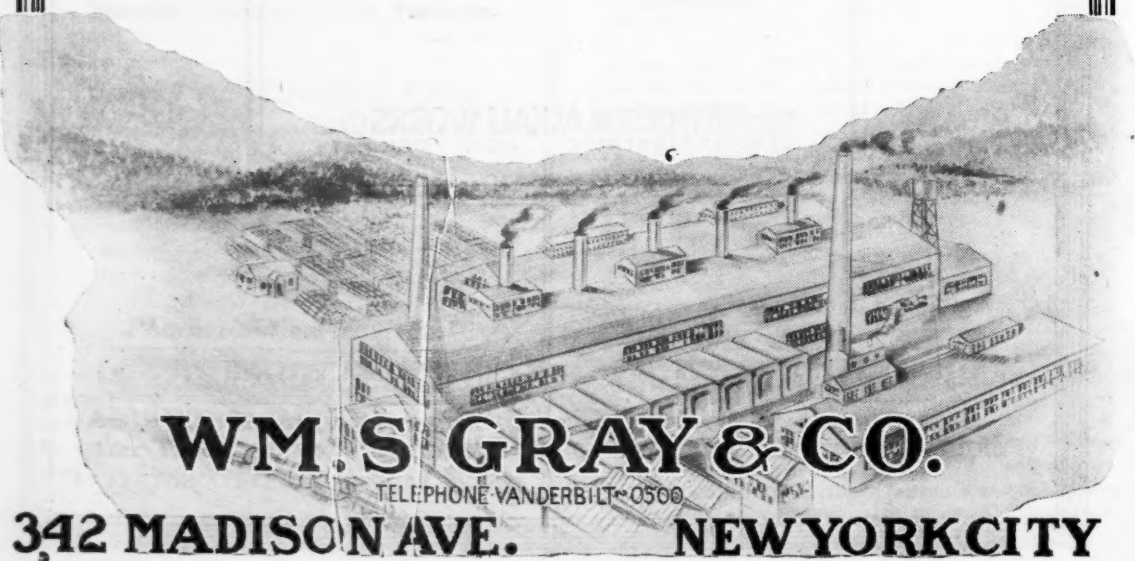
**PARA
FORMALDEHYDE
FORMALDEHYDE**

TURPENTINE

(Pure Gum Spirits)

MAGNESIA

WHITING



DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, OCTOBER 22, 1924

No. 17

MUST RENEW CRAMTON BILL FIGHT

The attention of chemical manufacturers who require alcohol and wholesale druggists who are distributors of alcohol for industrial use is called to the change in the chairmanship of the Senate Judiciary Committee owing to the death of Senator Brandegee. The Judiciary Committee has charge of the Cramton bill, and it will be recalled that the Prohibition forces made extraordinary efforts to get the bill before the Senate for passage near the close of the session. Senator Brandegee understood the situation, but with a new chairman in charge of the bill, it is advisable to renew the campaign against it. Senator Borah is the new head of the committee, and manufacturers and others interested in defeating the plan to make the Prohibition Unit an independent bureau, should restate their views to him.

The withdrawal of the proposed stipulation, making a permittee responsible for the acts of his customers, was temporary, in the opinion of many persons in close touch with the Prohibition Unit. If the Cramton bill had passed the Senate, when the attempt was made to force it out of committee, the stipulation would be in force today, undoubtedly. The Volstead fanatics hope the bill will be passed at the coming session and then the stipulation could be enforced despite the protests of the N.W.D.A., the Proprietary Association, and the American Drug Manufacturers Association. Everyone in the trade knows the crushing effect of such a ruling, but United States Senators have not given the matter the study which is necessary in order to understand the practical working of the bill.

Public hearings should be insisted upon in order to present the views of the trade. The Anti-Saloon League and Wayne B. Wheeler will attempt to have the bill reported without hearings. Individual opponents of the bill as well as the associations which have gone on record as opposed to it should voice their protests in emphatic terms to convince the Committee that public hearings are necessary. Letters and telegrams should be sent by manufacturers and wholesalers in every section of the country that the entire Senate body may understand the importance of the issue.

PLANNING TO REGAIN WORLD DYE TRADE

The merger of German dye agencies in Japan indicates the policy to be pursued by German dye manufacturers in the effort to win Far East trade. By reducing selling expenses they will be able to cut prices. The new manager has the task of co-

ordinating the activities of the companies and also of the individual representatives. It is reported that in spite of price agreements between the companies the agents have been cutting rates when competing for business against British, French and American manufacturers. In addition to the general manager of the new cartel, there are five commercial directors, two technical directors, and two directors who specialize on sales of synthetic indigo.

By combining the laboratories now maintained by the separate companies the organization will have fifteen German chemists, more than one hundred Japanese technical men and one hundred Germans on its staff. Points of interest to American manufacturers are the separation of the heavy chemical lines from the dyes, and the plan to include sales of pharmaceuticals and photographic supplies in the merger. Badische company's business in heavy chemicals, such as sulfate of ammonia, hartshorn salt and compressed ammonia will not go into the combination, but the pharmaceutical products of Kalle & Co. are included.

Many Japanese distributors are crowded out by the merger and will lose a very profitable business. One firm which has sold Badische and Hoechst indigo exclusively for years will be forced to make new connections and their attitude will help American interests. The Germans will be sharp competitors, however. They already hold the bulk of the Japanese trade in dyes. The laboratory service which they offer, with Japanese experts to demonstrate the use of German dyes, is one of their strong points. If they establish a string of laboratories subsidiary to the central laboratory, reported as part of the merger plan, it will be difficult to compete with them. Should the system prove successful in Japan it may be extended to other countries, and the world dye markets will present a problem in competition much more serious than the price question. American manufacturers, who need a foreign outlet for their products, have something to think about, but they have time to plan a definite campaign, because it is not probable that the Germans can put the new arrangement in working order for some time.

THE NITROGEN SITUATION

The report of the Department of Commerce on the nitrogen situation in European countries again brings to mind the importance of fixed nitrogen to the national welfare of a nation, both in time of peace and in time of war. Without fixed nitrogen Germany would have been unable to continue the war and would have capitulated sooner. Early in

the war a naval battle between British and German battleships took place off the Falkland Islands. England won the battle and by so doing insured the free movement of nitrate of soda from Chile to be used in her war emergencies. Germany, cut off from this source of supply, had to develop and develop quickly, the methods of nitrogen fixation which were being investigated and gradually being developed prior to the outbreak of the war. How Germany met the emergency is now history. At the close of the war Germany was in a position to produce all her requirements of fixed nitrogen for agricultural purposes from the air by synthetic methods. The feat of producing synthetic ammonia commercially is regarded as the most difficult chemical engineering feat accomplished in the history of industry.

During the war a plant for the fixation of nitrogen was begun in this country at Muscle Shoals, Ala. This plant is still in the process of completion. At Niagara Falls a few small plants for the production of synthetic ammonia have sprung up. The Muscle Shoals nitrate plant, regarded as an enormous undertaking which cost the Government millions of dollars is still the object of much discussion and controversy. One German plant, the Leunawerke, begun in 1916 and completed in 1922, has a nitrogen-fixing capacity of five times that of Muscle Shoals, and the Oppau plant, two and one-half times.

No assurance can be had that Chile nitrate will always be available for the United States. Nitrogen fixation should be developed on a sufficient scale to assure independence of outside sources in an emergency. The domestic dye industry has been developed and the country is independent of Germany for her colors. Why not be independent in the matter of fixed-nitrogen supply?

BRITISH SULFURIC DEMAND DECLINES

London newspapers recently devoted considerable space to a report on British sulfuric acid production which seemed to show a tremendous falling off in a product which is a recognized index of the conditions in other industries. While correcting the mistaken figures which represented only six months production, the "Chemical Age" of London admits that the present output is not satisfactory. The explanation offered is slack trade. Before the war the production at times was more than 1½ million tons, and is now only 63 per cent of pre-war figures.

A great change has occurred in England in the use of raw materials in making sulfuric acid. In 1913 only 3,000 tons of sulfur was used; in 1922 the amount had risen to 16,000 tons, in 1923 to 54,000 tons and for the year ended in June, 1924, the figures were 66,000 tons. Formerly the chief raw product was pyrites, of which the industry consumed 800,000 tons in 1913, and only 350,000 tons in 1923-24. The use of spent oxide increased from 110,000 tons in 1913 to 148,000 tons in 1924. Many private companies scrapped their plants taking advantage of the high price of lead owing to

the expense of continuing operating when employed only at 63 per cent of capacity.

The increased use of sulfur is ascribed in part to its freedom from arsenic, yielding a product not requiring further purification. The only hope of increased demand, either for the arsenic-free or the pyrites made, lies in increased trade which will stimulate other industries using sulfuric acid, and this seems likely to come only when conditions in Europe improve.

The veto of the proposed British-German dye agreement by the British Board of Trade was not unexpected. Feeling among dye manufacturers in England was strongly against the arrangement, and it is not surprising that the Government gave the matter long consideration before deciding upon its course of action, because protests were adopted by all leading chemical and dye associations. The resignation of the directors of British Dyestuffs Corp. follows naturally as they recommended that the German offer should be accepted. The plan would have ended, probably forever, the attempt of the British to free the country from dependence upon German dyes.

Ten Years Ago

From the Oct. 21, 1914, issue of "Drug & Chemical Markets":

As no shipments of fusel oil of any size are expected from either Germany or Russia, holders of fusel oil here are firm in their demand for \$2.10@2.15, and refiners, who have stock on hand, ask \$2.50 for amyl acetate, owing to recent cost of production.

Russian white oil, the rather recently discovered mineral oil, used as an intestinal lubricant or laxative, is one of the scarcest articles on the market now. Prime stock now is up to \$3@4 a gallon. Before the war, 30c gallon was the prevailing price.

Price of quicksilver has fallen off from \$75 to \$90 a flask of 75 pounds, two weeks ago, to about \$50 at present.

Suspension of German-held patents and trade marks can have no effect on any articles so protected in the United States, it is the belief in the trade here. Patents and trade marks granted by the United States will bar the British-made products effectually and will make no difference in existing conditions as far as proprietary medicines are concerned in America.

Weakness is a dominant feature of the tin market just now, the demand having fallen away to a fraction of what it was. Large quantities of tin were held in England, but since the war, demand from the Continent has dropped to zero.

Pure food colors, practically all of which are manufactured in Germany, have advanced from 90 per cent to 200 per cent in price in the last ten weeks.

New York agents of German manufacturers offer carbolic acid crystals in drums at 36c@38c. There is a rumor that Great Britain may release some for shipment to the United States on guarantee that it will not be re-exported.

Car loadings for the week ended Oct. 4 amounted to 1,077,006, which was 10,441 less than the previous week. Loadings of merchandise and less-than-carload lots totaled 259,106 cars, 648 more than in the preceding week, and 4,744 more than in the same week last year.



Industrial Chemical SECTION



Competitor vs. Consumer

An editor's mailbag is full of surprises; but seldom does it contain so frank a criticism, as the one printed below, expressed in such perfect good humor. The author is a well known executive in the heavy chemical industry who insists that he remain nameless lest he be accused of "posing as an expert on a subject about which everybody knows nothing."—The Editors.

MOST chemical advertising has been a staid announcement that John Smith offers alkalis, or heavy acids, or a short or long list of products. With the advent of the showy advertisements of chewing gum and silk stockings, the chemical industry shows a slight disposition to copy what is obviously successful. The change is noticeable. Many chemical houses apparently do not yet believe, as do advertisers in other lines, that advertising makes business. However, the industry may yet blossom out and display bathing beauties grouped around a tank car, or god-like polo players riding down a moth ball.

Perhaps the outstanding feature of chemical advertising is that it is so seldom addressed to the fellow who buys chemicals. Just why this should be so, is not obvious. Tradition, conservatism, the fact that many chemicals are raw materials and remote from public interest, the semi-scientific nature of many products, the reticence of chemists and engineers, and the reluctance of chemical merchants and brokers to disclose uses of products, are all contributing factors.

Why the Secrecy?

The fact remains, however, that the chemical industry will never get the audience it should have until it advertises in chemical business papers with an eye to the needs of the buyer. It is expecting too much to presume that Brown will search "Chemical Abstracts" to find a use for muriatic acid in his business just because of the bland announcement that Smith sells it. That just isn't done. The reply to this criticism is generally that salesmen develop the uses. Good advertising is the silent salesman and infinitely less expensive than any other kind. Further, Smith ought to know the uses, because his offer presupposes some knowledge of the chemical he sells. It was made to sell, and if it cannot be sold, except with whispered conversations, somebody is the loser. The somebody is usually the seller. To be sure, it is not easy to write an advertisement that will have the "use appeal" to several lines of industry, but a close inspection of current chemical advertising will disclose that some wideawake sellers have solved this problem.

The vagueness of current chemical advertising can be illustrated in many other ways, such as:

(a) Advertising without names and addresses that stocks are carried in large cities. This means at least a hunt through the telephone directory or the "Guide Book" and what happens if an agent in the "large city" does not have the same name as the advertiser does not appear to be within the imagination of the advertiser.

(b) A product so new as to be all but unknown is offered under two names without any evidence that one is a trade name (trade marked or otherwise).

(c) An advertiser offers two products in one short sentence: the first has an appeal in the paint, lacquer, artificial leather and hat industries and the latter a limited appeal to one branch of the textile industry.

What's What and Why?

(d) Advertisers offer coal tar dyes by new-coined names without disclosing the dye properties sufficiently. The Society of Dyers and Colourists has issued a "Colour Index" which contains a record of 1,300 dyes with the thousands of variants in the names. Dyes known to consumers for forty years are listed with from ten to forty different names or variants of the same name. One large American maker has met the situation by issuing a catalogue wherein he identifies every dye he makes and in advertising he specializes but carefully discloses identity.

(e) Advertisers do not indicate that their product names are valuable by using the legends "Trade Mark" or "Registered U. S. Patent Office", etc.

(f) Advertisers indulge in small type offering many and widely different products. Sometimes one or more names are tucked away in a corner and remind you of a crossword puzzle. Some advertisers see no value in being prominently identified with one or a few products. Yet certain chemicals, made by several companies, have become so thoroughly identified with one company that the mental image of the chemical is coupled with a name, which is the result of advertising and not of superiority of product.

(g) Far too many ads of well known chemicals merely name the chemical, despite the fact that the seller really means to offer, or can offer, the chemical in either various strengths, or in various degrees of refinement, etc. A maker of caustic soda has figured out that tank car lots of caustic soda solutions are cheaper for some consumers than fused caustic soda which must be put in solution at the consumer's plant. This lesson can be applied to other lines and advertised.

From the foregoing examples, selected at random, it is evident that there is still room for improvement. That improvement is possible can easily be seen by studying the advertisements over a period of say ten years. The good advertisements are numerous and sometimes on the same page with the bad ones. The industry and its merchants should use its chemical papers to reach consumers, and stop indulging so much in the vain satisfaction of saying they either make or offer something, with no word of why or wherefore.

Dr. Roger N. Wallach, vice president Grasselli Chemical Co., has purchased an estate at Briarcliff, N. Y., consisting of three acres and a stucco residence. The property was held at \$100,000.

DR. WENDT USES 60,000 DEGREES HEAT

**Describes His Efforts To Release Energy In Atoms—
May Mean Revolutionary Discovery**

Dr. Gerald L. Wendt, of the Department of Physics and Chemistry at Pennsylvania State College, told the intersectional meeting of the Lehigh Valley, Philadelphia and Southern New Jersey Sections of the American Chemical Society, in session at Easton, Pa., that experiments which he had already conducted gave reasonable promise that he would discover the secret of atomic energy and succeed in releasing it for the benefit of mankind. In his experiments Dr. Wendt placed a tungsten wire in a vacuum tube, through which he shot energy, with the result that more energy came out than went in and the tungsten was transformed into helium. The whole problem, it was explained by Leon L. Jenks, Professor of Chemistry at Worcester Polytechnic Institute, is one of controlling the spontaneous disintegration of elements.

"I have been using a temperature of 60,000 degrees Fahrenheit in my investigations," said Dr. Wendt. "The sun is only 10,000 degrees Fahrenheit, and the hottest star is 40,000 degrees. At that temperature we know that there is no evidence of metals in a star, and that it is composed of hydrogen and helium gases. As it cools we get more complex elements. Hitherto one of the great difficulties has been that we could not get a sufficient degree of temperature in our laboratories, but now we can produce heat higher than the hottest stars. I have been using 100,000 volts of electricity for this purpose.

"Copper, gold and iron are elements, and thus far we have been unable to change them, although we can combine some of them with oxygen. This is not saying that it can't be done, and I think I have reasonable grounds for the belief that I will be able to unlock atomic energy. Theoretically it is there, but it is possible there may be something wrong with the theory.

"If I succeed in my endeavors it will mean the revolution of civilization. Energy is its base, and it is energy that makes all other things valuable. It is one thing to show that the atomic energy is there and another thing to unlock it and make use of it, but I have already peeped into the first little crack."

WILL HOLD SYMPOSIUM ON CORROSION

At the Baltimore meeting of the American Chemical Society which will be held during Easter week, 1925, the Division of Industrial and Engineering Chemistry will hold a symposium on Corrosion. The tentative outline of the symposium is as follows: 1. Submerged Corrosion of Metals. (a) Iron and steel. (b) Non-ferrous metals. 2. Atmospheric Corrosion. (3) Corrosion of Special Alloys.

The papers will cover the problems of corrosion in the heavy chemical industry, special chemical industry, marine world, ordnance equipment, oil industry, and mining industry. Papers relating to any of these subjects or sub-divisions will be welcomed by the chairman of the symposium, Robert J. McKay.

"The South's Development," which is issued by the "Manufacturers Record", Baltimore, gives a glimpse of the past, the facts of the present, and a forecast of the future in regard to the industrial development of the South. Henry C. Wallace, Secretary of Agriculture, discusses the agricultural interests of the South and the outlook for the future. Herbert Hoover, Secretary of the Department of Commerce, writes on the development of the import and export trade through South Atlantic and Gulf ports.

INDUSTRIAL CHEMICAL SECTION

Who's Who— in the Chemical Industry

Ralph Nelson Chipman, pres. Chipman Chemical Engineering Co., New York. Born, Feb. 14, 1886, Beverly, N. J. Mar., Irene Harris, Chicago, Apr. 28, 1916. Educ., Wm. Penn. Charter School, Phila. Business: Mgr. Atlas Preservative Co. of Amer. until 1917; pres. Chipman Chem Eng. Co. to date. Member: Insect & Disinfect. Assn.; Agric Insect & Fungicide Mfrs. Assn.; Larchmont Yacht Club; Bankers' Club; Transportation Club; Port Washington Yacht Club; Chemists' Club (N.Y.). Originator chemical weed extermination on railroad right of way; inventor railroad sprinkling apparatus. Hobby, yachting.

Richard C. Hedke, vice-pres. and genl. mgr., Eaton-Clark Co., Detroit. Born, Germany, 1885. Mar., Louise M. Lilley, Trenton, Mich., 1907. Educ., schools of Cleveland and Trenton, Mich. Business: Church Quarry Co., 1903-07 (now owned Solvay Process Co.); Theo. H. Eaton & Son (now Eaton-Clark Co.), 1907, as city salesman; mgr. sales and secretary to Feb., 1920; vice-pres. 1920, succeeding Rufus W. Clark, who became chrmn. board, as genl. mgr.; genl. mgr. to date; vice-pres. Rainbow Color & Chem. Co., subsidiary of Eaton-Clark Co. Member: Detroit Rotary Club (now vice-pres. and director), Detroit Ath. Club, Island Country Club; asst. treas. Tuberculosis Soc. of Detroit and Wayne County; Board Education of Trenton, Mich. (pres.). Hobby, golf, "a family of four girls".

Ernest H. Klipstein, pres. E. C. Klipstein & Sons Co., New York. Born, Jan. 15, 1890, East Orange, N. J. Mar., Barbara Wallace, Orange, N. J., Feb. 9, 1918. Educ., Princeton Univ., A.B. 1912. Business: Treas. E. C. Klipstein & Sons Co. 1916 to 1923; pres. 1923 to date; chemist, Riverside and Dan River Cotton Mills, 1914-15. Member: Essex County Country Club, Princeton Campus Club, Congressional Country Club, Amer. Leather Chemists Assn.; Assoc. of Textile Chemists. Hobby, golf, fishing, and superheterodynes.

George A. Prochazka, pres. Central Dyestuff & Chemical Co., Newark, N. J. Born, Milwaukee, Wis., Sept. 3, 1855. Mar., Emily Merz, New York, Sept. 24, 1885. Educated, schools New York and Wiesbaden, Germany; Fresenius Wiesbaden; Heidelberg and Bonn Universities; Aachen Polytechnic, Ph.D. 1874, Heidelberg. Assistant, Stevens Inst., Hoboken, N. J., 1876-1878; consulting chemist and engineer, 1878-1880; chemist, Tartar Chemical Co., 1881; chemist, and later, genl. superdt. Heller & Merz Co., 1881-1897; organized Central Dyestuff & Chem. Co., Newark, N. J., in 1898. Charter member Chemists' Club. Member, Amer. Chem. Soc. since 1877; Amer. Inst. of Chem. Engineers; Soc. of Chem. Industry; Societe de Chimie Industrielle, before war, of the various German chemical organizations.

Franklin Humphrey Warner, pres. Warner Chemical Co., New York. Born, New York City, June 6, 1875. Mar., Estelle Dunn Hynes, Los Angeles, Calif., April 25, 1899. Educ., Oberlin College, B.S. 1898, A.B. 1902. Business: With Warner Chem. Co., secty.-treas. 1899-1923; pres. 1924; Westvaco Chlorine Prods. Co., treas., 1916-22; vice-pres. 1922 to date. Member: Electrochem. Soc., University Club, Congregational Club, Chemists Club (N.Y.). Installed for Govt. during war the 100-ton chlorine cell plant at Edgewood Arsenal. Hobby, shooting, photography and motoring.

German Government Urges Low Prices

Freight Rates and Coal Prices Cut Ten Per Cent as Inducement for Manufacturers to Aid the Movement—Slight Reductions Follow Except on Potash—Six Million Dollar American Loan Enables Syndicate to Increase Production—Potash Shipments to United States Increase

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Oct. 11.—In an effort to reduce prices the German Government has slashed freight rates on the railways by 10 per cent. Silesian coal prices have been reduced already by 10 per cent and Ruhr coal prices 10 per cent, the question of the renewal of the Rhenish-Westfalian Coal Syndicate having at last been settled after long negotiations. The syndicate has been renewed for a term of five years and a Government order is making it obligatory for coal producers to join. Lignite prices are to remain unchanged at present. Several improvements in banking and credits are reported. The tax on turnover has been reduced from 2½ to 2 per cent. The restrictions in regard to the movement of foreign exchange are to be abolished.

With the cheapening of railway rates, freightage on inland waterways has also come down. It is too early to predict the outcome of the Government's efforts to induce manufacturers and traders to reduce prices, but it is realized that success is to a great extent dependent on the action of the syndicates and trade organizations. All these measures naturally will influence chemical prices and should bring noticeable reductions. Many prices show slight reductions as shown in the following table:

September 27, 1924
1 dollar = 4.20 goldmarks

	Inland per 100 kg goldmark	Export 1 ton
Caustic potash, 88/92%	55.00	£27 5s
Solution of caustic potash, 80° Be	28.75	
Caustic soda, 125/128%	31.50	£15 12s 6d
Solution of caustic soda, 38/40° Be	14.00	
Hypophosphite of soda, crude, cryst.	13.00	£7
Arsenic, white, ground	90.00	£45 10s
Sulfate of soda, cryst.	4 25	£3
Borax powder, ref.	46.50	£25
Borax, cryst.	48.00	£25 10s
Boracic acid, ref. cryst.	82.00	£45
Boracic acid, powder	85.00	£47
Bromide, liquid max. 0.3% contents of chloride	185.00	
Bromide of potassium 200 (100 kilos)		\$30
Chrome alum, 15% chem. pure	44.00	£22
Sulfate of soda, cryst. loose	2.75	£2 6s
Sulfate of soda, cryst. in bags	3.65	£2 16s
Sulfate of soda, crude, cryst.	4.50	
Sulfate of soda, calc. ground 96/98%	5.40	£3 5s
Carbonate of ammonia, in pieces	64.00	£32
Carbonate of ammonia, ground	53.00	£26
Alum, cryst. powder	14.00	£6 19s
Alum in pieces	16.00	£7
Permanganate of potash, small, cryst.	85.00	£38
Potassium nitrate, ref. cryst.	65.00	£27
Sulfate of copper, 98/100%	42.00	£20
Ammonium chloride, tech. pure, white, 98/100% ..	43.00	£20 10s
Muriatic acid, 19/21% tech. free of arsenic ..	4 70	£5 5s
Sulfuric acid, tech., free of arsenic, 66° Be.	5.50	
Sulfuric acid, tech., free of arsenic, 66° Be.	7 80	£6 5s
Zinc-white RS	63.00	£32 5s
Formic acid, 85% tech.	85.00	£36 10s
Citric acid, free of lead, cryst.	310.00	£150
Citric acid, chem. pure, cryst.	370.00	
Acetic acid, 80%	140.00	£40
Formaldehyde, 30% (100 kilos)	75.00	£20
Formaldehyde, 40% (100 kilos)	90.00	£25
Oxalic acid, tech. pure, white, cryst.	45.00	£24 5s
Tartaric acid, free of lead, cryst. (100 kilos) ..	207 00	£41
Tartaric acid, free of lead, powder	205.00	£40
Naphthalene, balls	32.00	£16 10s
Naphthalene, in shales	30.00	£15 5s

Potash mines which have no rich deposits of crude salts are not in a favorable position as present prices do not leave much profit, and most of them will remain closed until the fertilizer business has improved more generally. Future prospects of the industry are regarded as favorable. The agreement with the Alsatian produc-

Conditions in the potash industry have improved lately and the home and foreign trade of the Potash Syndicate is brisk at present. Home orders are mainly for kainite, fertilizer salts and potassium chloride. No price reductions in potash products have been announced in consequence of the cheapening of coal and railway rates. Since the agreement with the Alsatian potash producers, shipments to the United States have increased, a development which has been aided by the American six million dollar credit given to the industry. August deliveries of the Syndicate amounted to more than 100,000 tons of pure potash and September deliveries will be larger. Not only have the stocks been considerably reduced, but some of the mines at which production had been suspended have been re-started.

ers seems to form a sound basis for future development of the industry. Altogether 57 shafts which constitute about 25 per cent of the total have been closed in consequence of the Government order of October, 1921. At most of them production had been stopped on account of poor deposits or for other technical reasons which made it unprofitable to work them at present. Some of them are kept in a condition which will allow them to be restarted.

Several mines were closed because funds for extension of the plants below and above ground were not forthcoming. Of the shafts under construction at the time the order was passed, 23 have been finished. In the case of 10 others it has not been decided whether they are to be finished or not. The productive capacity of the mines working is still above the average production since 1919, and the sinking of new shafts will not be necessary for years to come. Whether more mines will be closed cannot be decided at present as the prospects of the potash industry in the near future are still obscure. Perhaps it may be found necessary to suspend production temporarily at some mines, but they will be kept in working order to be started again at any time. The sinking of new shafts is prohibited by law. Geologists assert that there are still huge untapped deposits in Germany.

The Nitrate Syndicate is publishing new prices which are about 20 per cent below pre-war quotations. Ordinary sulfate of ammonia is quoted at 1.08 marks; dried and ground, 1.10; muriate of ammonia, and potassium saltpetre, 1.08; potash saltpetre, 1.35; and nitrate of lime, 0.98 marks per kilo contents of nitrate. One-third is to be payable at once and for the rest the Syndicate accepts a three-months bill. On account of the advances in the price of agricultural products the farmers are ordering more artificial fertilizers, and phosphate and Thomas-powder factories have booked many orders recently and they expect sales for this harvest to reach the pre-war total. The use of nitrate fertilizer has largely increased, and the output of the nitrate works has been increased owing to the larger number of orders booked. The production will be further increased as the Bavarian works attain their full working capacity. During August the production of nitrate totalled 32,000 tons and has been sold.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 1254-1256

ADVANCE IN ALL GRADES OF LEAD ACETATE

Sharp Rise in Pig Lead Increases Production Costs—Mineral Acids Higher for Carboy Business—Barium Chloride Reduced—Imported Epsom Salt Lower for Shipment—Lactic Acid Tending Higher—Caustic Potash Firm—Metals Advancing—Improvement in Chemical Buying

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Lead Acetate, 1c lb.	Sulfuric Acid, clys., 1cl,
Nitric Acid, clys., 1cl,	15c 100 lbs.
25c 100 lbs.	Ammonium Sulfate, 5c 100 lbs.
Hydrochloric Acid, clys., 1cl,	
15c 100 lbs.	
Declined	
Barium Chloride, Dom., \$2.50 ton	Epsom Salt, Imp., shpt.,
Calcium Chloride, Imp., shpt.,	15c 100 lbs.
\$1.00 ton	Potassium Prussiate, yel., Imp.,
	5/8c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.11	\$1.11	\$1.11	\$1.24	\$1.19	\$0.97
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100lbs.	2.60	2.55	2.50	3.15	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate, c/100 lbs.	4.60	4.60	4.60	5.00	20.00	4.50
Potash Caustic, Imp....lb.	.0734	.0734	.0674	.07	.87	.08
Soda Ash, 55 p.c. 100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c. 100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate....lb.	.0834	.0834	.0834	.0934	.65	.0634
Sodium Prussiate, Imp....lb.	.0934	.0934	.0934	.1034	1.25	.18
Average	2.911	2.906	2.901	3.066	10.79	2.99

Consumption of industrial chemicals has been gaining momentum since the first of the month. Many consuming industries throughout the country have been resuming or increasing operations and the increased activity is being reflected in the call for chemicals. While the gain has not been sufficient to produce any general movement in prices, sellers have been firmer in their quotations and in a few instances prices have strengthened slightly. Sentiment in the trade has been growing better and a feeling prevails that after the national election a steady improvement in business activity will take place. Although nothing has developed in the way of contract business for 1925, the last two months of this year will be busy ones for the manufacturers of basic chemicals. Many buyers are content to follow the market for the present and are taking on supplies as required for immediate consumption. This method of buying has become quite general in all directions since consumers have not been able to see more than a few weeks ahead. Consumers of mineral acids are finding the market higher for their usual quantities as manufacturers find little profit in handling the small lots at the recent prices. An important development during the week has been the recovery in metals. All major metals have advanced and this has resulted in a stronger position of metallic salts.

Acid Acetic—Consumers have been taking increased quantities though buying is still conservative. Makers prices continue steady with 28% at \$3.12@3.37 as to quantity in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76.

Acid Formic—Fairly active buying with importers holding prices at 11 1/2c@12c lb.

Acid Lactic—Higher cost of production due to the rise in the corn market is making for a higher market

in acid. Present prices are firm at 5c@5 1/2c lb. for 22%, dark; light, 6c@6 1/2c lb.; 44%, dark, 10 1/2c@11c lb., and light, 12 1/2c@13c lb.

Acids Mineral—With consuming industries showing increased activity the consumption of small quantity business has been showing improvement. Consumption of sulfuric acid in the fertilizer industry is reported good. Prices of carboy quantities are slightly higher with makers now asking \$1.60@1.75 for 20° muriatic acid in carboys, sulfuric acid, 66°, in carboys, \$1.50@1.85; nitric acid, all grades, are 25c higher. Sulfuric in tank cars, \$14 ton for 66° and \$9.50 for 60° in tanks.

Ammonium Chloride—Spot business has been quiet and routine. Orders for carlots are being placed occasionally at 5 1/4c lb. for shipment. Spot held at 6 1/4c@6 1/2c lb. Domestic held at 7 1/4c@8c lb. for the white.

Arsenic—With demand for insecticide manufacture lacking the market is quiet. Occasional sales are recorded at prices ranging from 6 1/2c@7c lb.

Barium Compounds—Demand has been lacking for both chloride and carbonate. Competition with imported material has caused makers of chloride to reduce prices to \$72.50 ton for carlots of bags and \$75.00 ton in barrels at works. Imported held at \$71.00@72.00 ton, spot. Carbonate named at \$55.00@58.00 ton for imported, spot, and \$64.00 ton for domestic, works.

Copper Sulfate—Domestic interest has been lacking and business is practically at a standstill. A few sales are reported for industrial consumption. Export business with South America is reported good. Metal has strengthened but has no effect on the sulfate. Domestic held at \$4.65 in carlots, spot, and up to \$4.90 for small lots. Imported named at \$4.40@4.50.

Copperas—Fair interest with prices holding at \$15 ton in bulk, works, bags, \$18 ton, and barrels, \$20 ton.

Glauber's Salt—Holding firm on improved demand. Domestic material quoted at \$1.25@1.50 as to quantity in barrels. Imported offered at 90c per 100 lbs.

Epsom Salts—Imported material is easier with shipments named at \$1.25 and spot supplies at \$1.35 for technical. Domestic technical, \$1.75@1.90.

Lead Acetate—Owing to the sharp rise in cost of pig lead prices in all grades have been advanced 1c lb. in some quarters. The schedule names white crystals at 14 1/2c lb. and 15 1/2c lb.

Potash, Caustic—Since the recent advance in prices abroad the market has been firm at the new levels. Spot stocks are named at 7 1/4c lb. and shipment 7 1-7c lb. Imports at New York last week were 450 drums.

Potassium Permanganate—No change in the market since the reduction in domestic material. Spot prices are named at 13c lb. with possibilities of shading on quantity for both domestic and imported.

Potassium Prussiate—Yellow is easier with imported offered down to 16 1/2c lb. The red is firm at 38c@40c lb.

Soda Ash—There has been nothing done in the way of contract business. Consumers are showing no desire to contract immediately and sellers are inclined to wait until after the national election before announcing prices for 1925. October business is seasonal and stated to have shown an improvement over last month. Prices are unchanged at the former schedule.

Soda Caustic—The situation in this item is similar to

that of soda ash. Nothing is expected to be announced until after the election on Nov. 4. Business is stated to be normal for the season and improved over last month. Makers are holding 76% solid on contract at \$3.10 for carlots at works.

Sodium Bichromate—Sales are taking place at 6¾c lb. Consuming demand is quiet and competition for business is keen.

Sodium Cyanide—Increased interest and improved buying with prices steady. Domestic held at 22c lb. and imported 125-128%, 20c@20½c lb.

Sodium Nitrite—Continues firm at the recent advance to 9¼c@9½c lb.

Sodium Prussiate—Sellers are placing contracts for next year and the outlook is for improvement in consumption. Contract prices for imported material are reported at 8¾c lb. Spot business is taking place at 9¾c@9¼c lb.

Bleaching Powder—A few contracts have been reported at present levels but consumers are showing no desire to contract at present and announcement of contract prices is not expected until after the presidential election. Makers are holding at \$1.90 for carlots of large drums at works.

Metals

The market in practically all of the metals has firmed up during the past week. Antimony is higher at 11½c lb. spot. London is naming £48 ton. Copper has advanced sharply over the week and is now named at 13¼c lb. up to 13½c lb. Lead is also up to 8.25c lb. spot with the possibilities of further advances in the near future. Zinc is higher at 6.70c lb. spot, and 6.35c lb. East St. Louis. Tin advanced to 50½c lb. spot for Straits and 50¼c lb. for 99%.

A claim for lower duty on alum blocks or sticks by Barhep Import & Export Corp. was dismissed by the U. S. Board of General Appraisers because the importers failed to mention any paragraph in the Tariff Act in their protest against the assessment of 75 per cent ad valorem under paragraph 62. Claim was made for duty at 15 per cent, but no mention was made of the section of the Tariff Act of 1922 under which the protest was filed. Judge McClelland ruled that the alum should pay duty of three-quarters of one cent per pound under paragraph 6.

International Salt Co. reports net earnings of \$341,169 for the quarter ended Sept. 30, 1924, after all expenses. After reserves for sinking fund and fixed charges, but before allowing for Federal taxes, net income was \$244,772, against \$124,394 in the June quarter and \$328,562 in the September quarter last year.

Zinc stocks on hand as of Oct. 1 totalled 45,720 tons, according to figures compiled by the American Zinc Institute, which represents a decline of 5,202 tons from the total at the beginning of the month. Production last month amounted to 40,852 tons, compared with 41,775 tons in August, a drop of 923 tons.

The Fort Dodge, Iowa, plant of United States Gypsum Co. has just been rebuilt. Its capacity has been increased to 225,000 feet of wallboard per day. These changes, costing \$150,000, make the plant one of the three largest gypsum working establishments in the world.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids on Nov. 4 for 84,000 pounds of calcium chloride for various east coast navy yards. Bids will be received on the same date for 50,000 pounds of calcium chloride for the Mare Island, Cal., navy yard.

TEXAS SULPHUR EARNINGS INCREASE

Texas Gulf Sulphur Co. has returned average net earnings of approximately \$1,193,000 quarterly, during 1924, says the "Wall Street News," and it is expected that the return for the past three months will not be far from the \$1,200,000 mark. It has been reported that the partial settlement of the European economic problem has substantially lifted the volume of sulfur exports during the past quarter and as Texas Gulf is the largest individual producer, this increased demand is expected to be reflected in the company's past quarter's earnings.

Company is now paying \$1.75 a share regularly each quarter on the 635,000 shares of \$10 a share par capital stock and earnings are averaging close to \$1.90 a share quarterly. As it has been the policy of the management to disburse nearly all the current earnings to stockholders, interests close to the company maintain that directors will authorize a substantial extra dividend at the November meeting of the board to dispose of surplus over and above the regular dividends which have been paid this year.

CANADIAN CHEMISTS MEET IN MONTREAL

(Special to DRUG & CHEMICAL MARKETS)

Montreal, Que., Oct. 22.—The Montreal section of the Society of Chemical Industry opened its Winter season on Monday, Oct. 20, with a paper by John A. Dresser, ex-president of the Canadian Institute of Mining and Metallurgy, on the "Relationship Between Chemistry and Mining." Other addresses were by Dr. W. B. Bancroft, of Cornell University, on "Bubbles, Drops and Grains"; C. Spearman, on "Cyaniding for Gold and Silver Ores in Ontario"; R. H. Monk and C. R. Whitmore, of McArthur Irwin, Ltd., paint manufacturers, on the practical application of oxide of titanium; Dr. F. W. Atack, president of Dye and Chemical Co., of Canada, Ltd., on "The Use of Dyestuff in Analytical Chemistry."

BANDITS GET KLIPSTEIN PAYROLL

Two employees of A. Klipstein & Co., New York, were held up at Morton and Greenwich sts., New York, on Saturday morning, Oct. 18, by four armed bandits and robbed of a \$2,300 payroll. As the two men were returning from the Greenwich Bank on Hudson st. with the payroll, four robbers with drawn revolvers jumped from a touring car, seized the money, and made their escape after threatening to kill the Klipstein messengers if they made any outcry.

Ernest du Pont, president of United States Flashless Powder Co., while on a cruise to Florida, stepped through a hole in a dock at Yorktown, Va., and broke his leg between the knee and hip.

R. P. Cargille, formerly of Emil Greiner Co., chemical glassware and laboratory supplies, has established a selling agency for these products at 74 Cortlandt st., New York.

The Southern Fertilizer Association will hold its annual meeting at Atlanta, Ga., Nov. 10 and 11. Consolidation of the southern and national associations will be discussed.

The contract for a new plant, on Orchard st., Kingston, Canada, for Dye & Chemical Co., Ltd. has been awarded to McKelvey & Birch, Ltd.

Leonard Osborne Macdaniel, formerly director of Solvay Process Co., died at his home in Ashfield, Mass., last week, in his sixty-seventh year.

Dr. Altmannsberger and Paul Ebeling, of the German Potash Syndicate, arrived recently, in New York.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, 1254

COMPETITION LOWERS CRESYLIC ACID

Surplus Stocks and Slow Demand Account for Recent Lower Values—Pyridine Easier on Quiet Demand—Benzol Scarcity Very Pronounced—Monoethylaniline Reduced—Ortho-nitrotoluol in Demand—Improvement in Dyes and Intermediates

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced No Advances		Declined		Trend of the Market		Last Year	War Peak	Pre- War
	Today	Last Week	Today	Last Week	Today	Last Week			
Monoethylaniline, 35c lb.									
Pyridine, 10c gal.									
Benzene, pure	gal.	\$25 1/4	\$25 1/4	\$25	\$23	\$1.10	\$25		
Naphthalene, flake	lb.	.06	.06	.05	.07	.16	.03		
Phenol, Spot	gal.	.25	.25	.24	.26	1.50	.08		
Toluene	gal.	.26	.26	.26	.25				
Aniline Oil	lb.	.16	.16	.16	.16	1.40	.10 1/2		
Alpha-naphthylamine	lb.	.35	.35	.35	.35	1.28			
Benzaldehyde	lb.	.70	.70	.70	.75				
Betanaphthol	lb.	.26	.26	.26	.21	1.50	.06		
Dimethylaniline	lb.	.35	.35	.35	.40	1.30			
Paranitroaniline	lb.	.68	.68	.68	.73	1.58	.18		
Average		0.331	0.331	0.331	0.42				

With a betterment of conditions in the textile industry and the resumption of operations in many New England mills and in the South, the call for dyes and intermediates has been showing a steady improvement during the past month. The improvement has not yet been reflected in any price movements in coal-tar by-products, but the fact that orders are more plentiful, though rather conservative in size, has been gratifying to manufacturers and no attempts are being made to change the present state of the market except in special instances where supply and demand warrant price revisions. Many dye intermediates are finding their way into industries other than the manufacture of dyes and in several cases production has been kept up by new uses in rubber, motor fuel industry or some other industry. One reason why aniline oil has been in better demand has been the increased activity in the manufacture of rubber tires. Ortho-nitrotoluol and nitrobenzol are being used in the motor fuel. The oil flotation industry is using ortho-toluidine. Intermediates used in fur dyeing are more active. Among the crude products benzol continues decidedly scarce and prices are firm at recent levels. Slow demand and increased competition due to surplus stocks have brought out offerings of cresylic acid below recent levels. Pyridine is easier though supplies are limited.

Crudes

Benzene—The shortage in this crude is more pronounced than at any time since the curtailment of production. While a slight increase in coke production is reported from the Pittsburgh district, the general situation is one of surplus stocks of coke which must be reduced before increased production will take place. Production of benzol, therefore, continues small, while demand for this light oil for motor fuel purposes is far in excess of the supply. Industrial consumption is being met fairly satisfactorily but prices are abnormally high in view of the small production. Sellers continue to quote pure benzol at 25c and 26c per gallon in tanks, mills, and drums 5c higher; 90 per cent grade named at 23c, tanks, mills, and drums 28c gal.

INDUSTRIAL CHEMICAL SECTION

Cresylic Acid—Supplies have been somewhat heavy in sellers' hands recently and offerings are being made at somewhat lower prices. Pale acid is being offered in small lots at 60c gal. while some sellers quote up to 75c, according to grade.

Naphthalene—Practically no activity is reported in the market. Occasional small sales are reported but they are more or less routine orders. Flake is offered at 5c lb. and balls at 5 1/4c lb. Chipped material is held at 4 1/2c lb.

Phenol—No new developments have taken place. Makers are taking care of the present demand, which is reported sufficient to keep stocks from accumulating. Prices are firm and steady, 25c@26c lb. for material in destructible drums. Large drums quoted at 24c lb., spot.

Pyridine—While supplies are somewhat limited demand has been quiet and sellers are less firm in their prices. Quotations have been heard at \$4.15, though some sellers continue to quote \$4.25. Imports at New York last week were 12 drums.

Solvent Naphtha—Owing to the lower prices in the market for petroleum naphtha, this item is weak when compared with other light oil distillates. Tank car business quoted 23c@25c per gal. at works. Drums, 28c@30c lb.

Toluene—Occasional orders are coming in and are being filled though prompt delivery is somewhat uncertain. Sellers are quoting tank cars firm at 26c gal. at works and drums 31c gal.

Intermediates

Acid Cleve's—Slight improvement in buying with prices held at \$1.00@1.10 lb.

Acid Gamma—Moving regularly at unchanged prices of \$1.45 lb.

Acid Neville & Winther's—Occasional sales at \$1.05 @1.10 lb.

Alpha-naphthylamine—No important buying reported. Makers quoting 35c@37c lb.

Aniline Oil—Buying continues along active lines with prices holding steady at 16c@17c lb., according to quantity in drums. Aniline salt moving well at 20c@22c lb.

Benzidine—Fair demand for small quantities with base quoted at 78c@80c lb.

Beta-naphthol—Buyers have been showing more interest and orders have been more frequent though limited to moderate quantities. Makers are quoting 24c@26c lb. as to quantity.

Diethylaniline—Although alcohol has advanced again, no change in prices has taken place and makers continue to quote 58c@61c lb.

Dimethylaniline—A fair volume of business is reported from week to week with prices steady, 35c@37c lb.

Ethyl Benzyl Aniline—Unchanged at \$1.15@1.20 lb.

Monoethylaniline—Improvement in the manufacturing process has enabled one maker to reduce his price to 90c@1.00 lb.

Ortho-nitrotoluol—All available supplies are being taken up and prices are firm at 8c@9c lb. as to quantity.

Ortho-toluidine—Firm at 14c@15c lb. as to quantity.

Para-toluidine—Quiet and holding at 75c lb.

Para-nitraniline—Fair demand at 68c@70c lb.

Phthalic Anhydride—Selling at 22c@25c lb. as to seller and quantity.

PROTEST ON COAL TAR DUTY SUSTAINED

Sustaining claims made by Carey & Skinner of Buffalo, the Board of U. S. General Appraisers reduced the duty on a coal tar product known as Novadelox. The merchandise, consisting of a chemical mixture of 25 per cent of benzoylperoxide and 75 per cent of phosphate of calcium, was taxed at 15 per cent ad valorem and 2½ cents per pound under sections 500 and 501, act of Sept. 8, 1916, on the total quantity as a coal tar product.

The importers claimed that the merchandise was not subject to the 2½ cent per pound specific duty on the entire material, but only upon the coal derivative therein known as benzoylperoxide. The importers also claimed a reduction of 20 per cent on the specific duty as applied to the benzoylperoxide content of 25 per cent, in conformity to a graduated reduction provided for in section 501 of act. Judge Brown sustained both claims made by the importers, and directed the collector to re-liquidate the entry accordingly.

The capital stock of the Bradford Dyeing Association, U.S.A., Bradford, R. I., has been increased from \$1,500,000 to \$4,000,000, by an amendment to the company's charter.

BROWN DYE USED ON ALASKA SEAL

Included in the sale of 17,000 Government Alaskan seal skins by the Fouke Fur Co. at St. Louis, last week, were 2,000 dyed in brown as an experiment requested by the Department of Commerce. One thousand raw seal skins were sold to give other firms a chance to experiment in colored dyes. The chestnut colored skins attracted much attention from buyers. Heretofore black was considered the only practical dye for seal skins.

Col. Philip B. Fouke announced that the company has received permission from the Government to dye an additional 2,000 skins in the new color, and those who bought a case of 45 skins at the sale were given an option on an additional 25 skins. Notice that the option is to be exercised must be given within 30 days. This option will not apply to black skins.

A new diazotizable black—Pontamine Diazo Black VG has been placed on the market by E. I. du Pont de Nemours & Co. The product is one that was used extensively prior to the war. It is particularly suited for half silk hosiery, and is also suitable for all classes of cotton goods, raw stock, yarn, and pieces, being very fast to light, washing and perspiration.

MAKE ADDITIONS TO CLASSIFIED DYES

Imports Entered in April, May, June, July and August Designated As Competitive and Non-Competitive—Few Chemicals in the List

A supplementary list of dyes and chemicals imported in April, May, June, July and August, classified as competitive and non-competitive, has been issued by the Chemical Division of the Bureau of Foreign and Domestic Commerce in conjunction with the Chemical Division of the Tariff Commission. The list follows:

Dyes Imported in April	
Phosphine 3 R	N C
Hydron Brown G Paste	N C
Hydron Olive R Paste	N C
Diamine Scarlet 3 B	N C
Hydron Scarlet 2 B Paste	N C
Vat Scarlet G Paste	N C
Chinoline Yellow Soluble in Spirit	C
Benzo Fast Yellow R L	C
Black B R	N C
Vat Brown R Powder	N C
Sulpho Rosazine B Extra	N C
Alizarine Blue Black B Powder	C
Helindone Golden Orange IRR1 Paste	N C
Alizarine Direct Blue A	N C
Helindone Brown IRT Paste	N C
Helindone Brown IGG Paste	N C
Patent Blue V	N C
Helindone Fast Scarlet R Powder	N C
Neptune Blue B R	N C
Methylene Violet 5 R	C
Helindone Red 3 B Paste	N C
Helindone Yellow AGC Paste	N C
Helindone Yellow AGC Powder	N C
Diazinil Pink B	N C
Azanile S R	C
Azanile B	N C
Azanile R	N C
Azanile N	N C
Azanile G	N C
Dianil Fast Orange 2 R	N C
Helindone Brilliant Blue I R Paste	N C
Diamine Orange B	N C
Alphanol Blue BRN Conc	N C
Brilliant Cochineal 4 R	N C

Dyes Imported in May

Hydron Pink F F Paste	C
Vat Golden Orange RRT Powder	N C
Vat Golden Orange G Double Paste	N C
Vat Golden Orange RRT Paste	N C

Dyes Imported in June

Hydron Pink F F Paste	C
Diamine Orange B	N C
Crystal Violet P	C
Eriochrome Green L 945	N C
Anthracene Brown R D Paste	N C
Alizarine Black W R Powder	N C
Vat Orange 4 R Powder	N C

Vat Blue GGSZ Double Paste	N C
Vat Blue R Z Double Paste	N C
Anthra Brown B Double Paste	C
Alizarine Direct Blue B G A O O	N C
Brilliant Indigo B Paste	N C
Vat Violet B N Powder	N C
Vat Orange RRT Paste Fine	N C
Vat Orange RRT Paste	N C
Vat Red R K Paste	N C
Vat Orange 3 R Paste	N C
Vat Brilliant Violet RR Paste Fine	C
Alizarine Cyanine Green G Extra Powder	N C
Vat Golden Orange RRT Paste	N C
Vat Red R K Paste	N C
Indanthrene Golden Orange RRT Paste	N C
Indanthrene Brown B Double Paste	C
Vat Violet B N Powder	N C

Dyes Imported in July

Indanthrene Blue GCD Double Paste	C
Benzo Rhodamine Red 3 B	N C
Diazo Fast Yellow 2 G	N C
Chloramine Red 3 BS	N C
Guinea Fast Red 2 R	N C
Water Blue 6774 large lumps	C
Developing Blue B	C
Fur Blue Black S B	N C
Zambesi Brown 2 G	N C
Brillianton Orange R	N C
Cotonerol A V Extra	N C
Cotonerol A Extra	N C
Wool Black GRF	N C
Brilliant Congo R	N C
Zambesi Pink B Extra	N C
Aceto Purpurine 8 B	N C
Cotonerol A Extra	N C
Vat Red R K Paste	N C
Cyananthrol B G A O O	N C
Vat Red Violet RRR Paste	N C
Immedial Purple C	N C
Hydron Sky Blue FK Paste	N C
Cibanone Red C Powder	N C
Cibanone Orange 6 R Powder	N C
Cibanone Orange 3 R Powder	N C
Cibanone Blue 2 G Powder	N C
Chlorantine Fast Grey B	N C

Chemicals Imported in July

Developer Z	C
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Dyes Imported in August

Wool Fast Blue B L	N C
Celatine Blue	N C
Diazo Fast Violet 3RL	N C
Rhodamine 6G Extra	N C
Vat Red RK Paste	N C
Vat Violet BN Paste	N C
Indanthrene Yellow G Double Paste	N C
Soudan O B	N C
Soudan A B	N C

Chemicals Imported in August

Jacinthe	C
Phenyl Acetic Aldehyde	C
Sodium Iodide and Guayacol	C
Sodium Iodide Salicylate & Colehiene	C
Sodium Iodide Salicylate	C
Methyl Methylene Anthranilate	N C
Methylacetophenone	C

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1271

TALLOW AND PALM OIL HIGHER

Active Demand and Limited Supplies Strengthen Market—Rise in Tallow Affects Red Oil and Stearic Acid—Coconut Oils Higher—Linseed Oil Advanced—Castor Oil Up—Chinawood Oil Lower—Fish Oils Firm—Turpentine Easier—Rosins Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Castor Oil, ½c lb.	Stearic Acid, ½c lb.	Chinawood Oil, ¼c@½c lb.	Sesame Oil, ¼c lb.
Coconut Oil, ½c@¾c lb.	Tallow, ¾c lb.	Corn Oil, ref., ¼c lb.	Turpentine, ½c gal.
Cottonseed Oil, crude, ½c lb.	Tallow Oil, ¾c lb.		
Greases, ¼c@½c lb.	Rosins, 10c@25c unit		
Lard Oil, ½c@2½c lb.	Oleo Oil, 2-3c lb.		
Linseed Oil, ¾c gal.	Soya Bean Oil, ¼c lb.		
Neatsfoot Oil, ½c lb.	Sperm Oil, 5c gal.		
Palm Oil, ½c@¾c lb.	Menhaden Oil, crude, 1½c lb.		
Red Oil, ¾c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N. F.....gal.	\$.62	\$.62	\$.59	\$.70	\$1.26	\$.26½
Degras, American, bbls..lb.	.04¼	.04¼	.04¼	.03¼	.23	.03¼
Lard No. 1.....gal.	.95	.92	.88	.79	2.90	.92
Menhaden, crd. bbls..gal.	.54	.52½	.50	.50	1.20	.33
Neatsfoot, 20 deg. c.t...lb.	1.35	1.31	1.45	1.24	3.45	.96
Red Oil, distilled.....lb.	.10¼	.10	.09½	.09½	.17	.07
Stearic Acid, T. P.....lb.	.13½	.13	.13½	.14½	.33	.12
Coconut, Cey on, bbls...lb.	.11¼	.10¼	.10¼	.10	.90	.14
Cottonseed, crude, tks..lb.	.08¼	.08¼	.08¼	.09½	.25	.08
Linseed, crude.....gal.	1.06	1.03	1.02	.95	1.85	.57
Olive, denatured.....gal.	1.25	1.25	1.25	1.10	4.30	1.05
Peanut, refined.....lb.	.17	.17	.17	.15½	.30	.08
Soya Bean, bbls.....lb.	.13½	.13	.12¼	.11	.19½	.07
Average	0.501	0.492	0.496	0.467	1.30	0.362

Considerable inquiry and increased activity in the market for fatty oils was reported in practically all quarters during the week which produced numerous advances in animal, vegetable and fish oils. Supplies in a number of oils, especially palm oil, have been decidedly small and far from satisfying the demand. As a result tallow has been in demand and prices rose sharply at the close of last week. Following in the wake of the tallow rise were advances in red oil and stearic acid while neatsfoot oil, lard and lard oils and oleo oil also contributed to the upward trend. Activity in coconut oil resulted in a sharply higher market. Linseed oil was again advanced, this time 3c, in the face of a bumper flaxseed crop of 29,200,000 bushels, in the Northwest. Crushers have little oil for prompt delivery and the shortage has resulted in the higher quotations. In contrast to this is the easier position of chinawood oil due to speculative operations. Crude cottonseed oil gained slightly. Castor oil has been advanced. Fish oils continue firm owing to limited supplies. Turpentine is easier while rosins have advanced.

Vegetable Oils

Castor Oil—Higher prices and limited supplies of seed have caused crushers to advance prices and they now quote No. 1, 17½c@18c lb. and No. 3, 17c@17½c lb.

Chinawood Oil—Owing to speculative operations and reported short selling, buyers have held off and the market has eased off from the recent high. Spot oil in

cooperage named at 16c@16¼c lb.; Nov.-Dec. arrival, N. Y., in barrels, 15¼c lb. and tanks, 15½c lb.; Coast, tanks, 14½c@14¾c lb.

Coconut Oil—Consumers are showing more interest and buying has been on a broader scale. Prices are stronger and all grades are reported selling at higher prices. Ceylon in tanks, N. Y., 9¼c lb. and bbls., 11¼c lb.; Cochin, tanks, N. Y., 10¼c lb.; Manila, spot, 9¼c lb. in tanks and at the Coast, 9½c lb.

Corn Oil—An easier tone is reported in this oil with crude sales at 10c lb. at the mills, buyers' tanks. Refined in bbls., 13½c lb., spot.

Cottonseed Oil—A steadier market has been noticeable during the week and net changes in the P.S.Y. market were negligible. Crude oil at the mills gained slightly to 8¾c@9c lb. P.S.Y. quotations ranged from 10½c@11c lb. as to position. Refined winter yellow held at 13c lb.

Linseed Oil—In spite of the large flaxseed crop forecast of 29,200,000 bushels, as against 17,400,000 bushels last year, linseed oil continues to advance. Spot supplies are decidedly scarce and crushers have advanced their prices for all positions. Most buyers are covered for nearby delivery and are not interested in the far positions. Spot oil in carlots, \$1.06 and in small lots \$1.09. Nov., \$1.01@1.03; Dec.-April, \$1.00. Flaxseed prices in the Northwest are slightly lower. Winnipeg, opened the week, Oct., \$2.36; Nov., \$2.26; Dec., \$2.22. Duluth, Oct., \$2.45; Nov., \$2.47; Dec., \$1.27; Minneapolis, Oct., \$2.41; Nov., \$2.40½; Dec., \$2.46. Buenos Aires, higher, \$2.21.

Olive Oil—Sale of a carload of denatured olive oil is reported at \$1.25 gal. Smaller quantities up to \$1.30 quoted. Olive oil foots continue firm, 9¼c@9½c lb., spot and 9½c lb. for shipment. The outlook is for firm prices owing to an expected short crop in two European producing countries.

Palm Oil—Although over 2,500 casks arrived at New York last week this was almost wholly sold to arrive and did not relieve the situation. Spot stocks are scarce and increasing demand has forced prices up further. Lagos held at 9c@9¼c lb. and Niger, 8½c lb., spot.

Peanut Oil—Limited supplies and firm prices with refined oil held at 17c@17½c lb. in barrels.

Rapeseed Oil—Refined is firm at 94c@95c gal. and blown at \$1.02@1.05.

Soya Bean Oil—Supplies are not too plentiful and a stronger tone is reported with crude oil higher at 11¼c lb. in tanks, Coast, 11½c lb., N. Y. Barrels, spot, 13½c lb. Refined, 14c@14½c lb.

Animal Oils

Lard Oil—All grades have advanced following the sudden rise in lard and tallow. Edible is higher, 20½c lb.; extra, 15¼c lb.; No. 1, 12¾c lb.

Neatsfoot Oil—Advances were recorded in all grades and improved buying is reported. Cold test, 20°, named at 18c lb.; pure, 15¼c lb.; extra, 13¼c lb.; No. 1, 12¾c lb.

Red Oil—Following the rise in raw material, makers have advanced their prices and are now quoting tank car business, 9½c@9¾c lb.; distilled and saponified, barrels, 10¼c@10½c lb., carlots.

Stearic Acid—Higher costs of production owing to

the rise in tallow, has forced makers to advance prices. Single pressed named at 11c@11½c lb.; double pressed, 11½c@12c lb.; triple pressed, 13½c@14c lb.

Tallow—Limited supply of palm oil has brought in buyers and supplies have been well taken up. Sales to Western oils made at 9½c lb. while in the East sales are reported at 9½c@9½c lb. for the extra loose.

Tallow Oil—Producers quoting higher prices on fair business. Acidless, in tanks, N. Y., 9½c@9½c lb.; bbls., 12¾c lb.

Fish Oils

Cod Oil—Fair routine demand is reported with prices firm and steady. Tanks held at 55c@57c gal. and bbls., 62c@65c gal., N. Y.

Menhaden Oil—Reports from the fishing points are far from encouraging as to catches and yields. It is expected that fishing companies will not wait till the end of the regular season to cut out the boats. Little oil is available and sales of crude have been made at 54c with producers asking 55c at mills. Refined oils are firm with light strained, 68c@70c lb.; yellow bleached, 71c@72c lb.

Sperm Oil—Buying has shown improvement and with supplies somewhat limited prices have advanced 5c gal.; 38° cold test oil, N. Y., held at 92c@93c gal. and 45° oil, 90c gal. in bbls.

Naval Stores

Turpentine—Savannah price dropped to 80c at which level it held steady for the greater part of the week. Little interest was shown last week by domestic buyers. Foreign buying is expected to improve. New York prices steady, 87½c@88c gal. for spirits.

Rosins—Demand has been holding up well and advances from 10c@25c were recorded in all grades during the week. New York quotations: B to H, \$7.00; I, K, \$7.05; M, \$7.10; N, \$7.25; WG, \$8.00; WW, \$8.65.

TURPENTINE LOWER AT SAVANNAH

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Oct. 20.—Turpentine closed the week steady, 80c, slightly lower than a week ago, when the price was 80¾c. The price touched 81½c early in the week, but declined quickly to 80c, where it appears firmly fixed. While there has been a steady amount of buying for early shipment, buyers have been showing indifference in supplies or prompt delivery. Shipment of about 14,000 barrels on one tank steamer for British account is expected within the next week or two. Receipts for the first half of October at the various markets showed a decline of about 45 per cent. Receipts for the week, 2,861 bbls.; sales, 1,406 bbls.; p. t. sales probably 1,000 bbls.; shipments, 3,160 bbls.; stock, 12,407 bbls. Rosins closed firm following an active week during which prices advanced from 30c to 60c in different grades due to small offerings. Prices appear to have reached the top but may be sustained by better European buying, especially for German account. Receipts for the week, 9,733 bbls.; sales, 6,639 bbls.; shipments, 12,042 bbls.; stock, 104,057 bbls.

Jacksonville, Oct. 18.—Turpentine closed firm 80¾c with a bid of 80¾c for 77 bbls. being refused. Stocks, 31,743 bbls. Rosins closed firm with buyers bidding freely. Stocks, 116,420 bbls.

The fishing schooner, Virginia, bound for Baltimore heavily loaded with menhaden oil, sprung aleak and is reported beached and full of water about two miles above Cove Point on Chesapeake Bay. It is believed the cargo is a total loss.

John Lucas, director of John Lucas & Co., Inc., and a grandson of the founder of the business, died in his fortieth year on Oct. 11 at Mamaroneck, N. Y.

PAINT MFRS. TO SIMPLIFY CONTAINERS

(Special to DRUG & CHEMICAL MARKETS)

Atlantic City, N. J., Oct. 22.—The National Paint, Oil and Varnish Manufacturers' Association, through its educational bureau, in convention at the Ambassador Hotel, decided to co-operate with the Committee on Simplification of Production formed by Herbert Hoover, Secretary of Commerce. One of the things suggested by the bureau which will come up for decision later at the full sessions of the association, was the elimination of certain ungainly sizes of paint and varnish containers.

The effort to develop a domestic supply of tung oil for use in the manufacture of many paints and varnishes and make the industry independent of China for its supply of the oil was reported to be meeting with great success. Millions of Chinawood seedlings planted on a large tract at Gainesville, Fla., have developed satisfactorily, after twelve years of experimenting, and in five years the promoters of the plan expect to produce a supply to meet all demands.

E. H. Hancock, of Louisville, Ky., former president of the Varnish Association, declared that unfair practices, such as commercial bribery, misrepresentation of goods, short weights and measures had been practically eliminated.

S. B. Woodbridge said that the work of the unfair competition bureau maintained at Washington would be continued on a large scale to keep the industry clean.

Officers chosen by the Varnish Association are: S. B. Woodbridge, Wilmington, president; Charles J. Roh, Newark, first vice-president; L. Valentine Pulsifer, New York, second vice-president; George Heckel, Philadelphia, secretary.

Members of the board of directors are: Ford M. Clapp, Cleveland; J. Warren Armitage, Newark; Clare H. Hall, Milwaukee; O. C. Hayward, Chicago; L. M. Ducommun, San Francisco; and Wells Martin, Chicago.

The Paint Manufacturers' Association of the United States closed its convention with the election of the following officers:

Dr. D. A. Kohr, Dayton, O., president; L. P. Moore, Brooklyn, retiring president, now first vice-president; Charles R. Cook, Kansas City, second vice-president; George B. Heckel, Philadelphia, secretary-treasurer.

Board of directors: E. S. Phillips, New York City; A. M. Woodward, Detroit; Frank L. Sulzberger, Chicago; E. A. Warfield, Louisville, and F. M. Brininstone, Los Angeles.

Arthur S. Somers, New York, delivered the opening address at the meeting of the National Paint, Oil and Varnish Association on Tuesday. Other speakers were Granville N. Breinig, Hoboken; Charles J. Roh, Newark; Ernest T. Trigg, Philadelphia.

MENHADEN SEASON IS POOR

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, Oct. 22.—Menhaden fishing in Chesapeake Bay continues poor. The present season is said to be the worst in twenty-five years. The fish are plentiful but cannot be rounded up in large schools. Unfavorable weather earlier in the season was blamed, but better weather recently has brought no improvement. Some time ago a number of the steamers quit because they could not make expenses. The catch last week is put at 3,000,000 fish, or 300 tons of fish scrap for the entire fleet of the Reedville section.

The Government October forecast of the domestic flaxseed crop of 29,200,000 bushels compared with the September forecast of 29,000,000 bushels. Last year 17,400,000 bushels were harvested and the 1918-22 average was 9,900,000 bushels.

Chemicals for Consuming Industries

Heavy Chemicals, page 1256, Tan and Dyestuff, page 1273, Fatty Oils, page 1271

CHEMICAL MARKET AWAITS ELECTION

Buyers Continue to Hold Off "Till After Election"—Lack of Demand and Pressure Does Not Weaken Prices—November Should See Heavy Buying—May Force Up Prices

"We are not going to buy any raw materials until after election." This appears to be a routine reply to solicitation for chemical contracts over 1925. Apparently, if the right man is elected on Nov. 4, the buyers will enter the market en masse. November should see rather heavy buying of chemicals, if this is the case, and likewise higher prices. If the wrong candidate is elected, it is evidently the intention of many chemical consumers to close up shop, and spend the next four years fishing. Outside of the "till after election" hesitation, the market appears fundamentally strong. Lack of demand and the refusal of many contract buyers to sign up just yet, has not weakened prices. Values resist pressure very well and are unquestionably in a position to respond to any marked expansion in buying, either from spot stocks or for 1925 delivery.

Agricultural Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid Sulfuric, 66° .....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$30.00
Ammonium Sulfate, 100 lbs. 2.60	2.60	2.55	2.45	3.00	7.75	2.65
Arsenic .....lb. .0634	.0634	.0634	.0734	.12	.18	.04
Copper Sulfate .....100 lbs. 4.60	4.60	4.60	4.60	5.00	20.00	4.50
Paris Green .....25	.25	.25	.25	.29	.50	.11
Potash Murate, 80% .....ton	\$1.10	\$1.10	\$1.10	\$5.55	\$75.00	\$29.37
Potash Sulfate, 90% .....ton	41.27	41.27	41.27	45.67	440.00	48.07
Phosphate Rock, 68% .....ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16% .....ton	8.75	8.75	8.26	8.00	21.00	15.00
Sodium Nitrate .....100 lbs. 2.40	2.40	2.40	2.45	2.45	5.00	1.00
Average	10.734	10.734	10.677	11.780	103.54	13.94

Trading in fertilizer materials was restricted last week and confined mainly to small quantities. Recent high prices have tended to cause buyers to hold off but prices showed slight reaction to the lack of interest. Supplies in a number of items continue small and consequently prices remained firm. Fish scrap, especially, has been scarce and prices are firm. Ammonium sulfate is in limited supply.

Fertilizers

Ammoniates—No change is reported in the market for fish scrap. If anything supplies are smaller than ever and holders are firm in the quotations of \$4.80 for dried scrap at works; acid scrap, \$4.25 and 50; dried blood at N. Y. held at \$3.75@ \$4.00, and Chicago, \$3.90@ \$4.00; steamed bone meal, Balt. basis, \$24.00@ \$26.00 ton; tankage is a trifle easier at \$2.40 and 10, N. Y.; high grade, Chicago, \$3.85 and 10.

Ammonium Sulfate—While prices are unchanged and supplies and production small, little interest was shown by buyers during the week. Producers have little to offer as contract deliveries are taking care of present production. Prices are named at \$2.55@ \$2.60 for bulk at works. Export business was quiet owing to the high prices asked, \$2.90@ \$3.00, f.a.s., in double bags.

Sodium Nitrate—Little activity is reported in this material. Prices are inclined to be a trifle easy and though generally quoted at \$2.40 for spot goods, this price is being shaded in some quarters. Futures are quoted at \$2.42½.

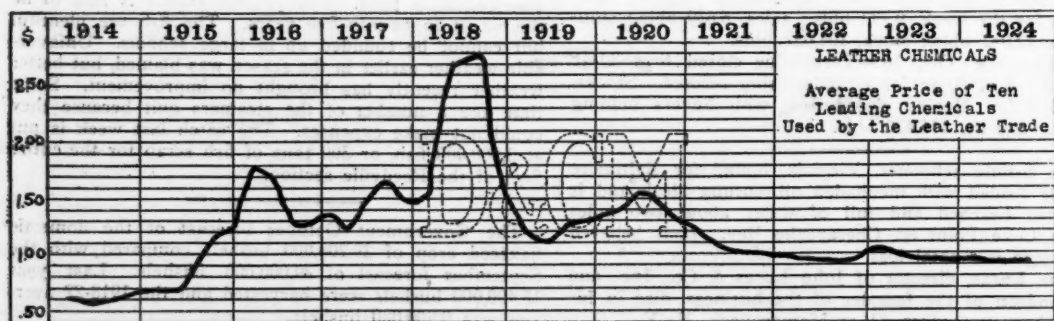
Phosphate Acid—Shipments are going out regularly and prices are holding firm with 16% material held at 8.75.

Potash Salts—Little new in the situation. Shipments are arriving steadily from abroad for domestic accounts and new business is steady. Consumption of potash is expected to show considerable increase this year. Prices are holding at recent schedule with discounts according to quantity. Potassium murate, 80%, \$34.55 ton; sulfate, 90%, \$45.85; double manure salt, 48%, \$26.35; 30% manure salt, \$17.03; 20%, \$10.55. Prices c.i.f. Atlantic and Gulf ports.

Insecticides and Fungicides

Arsenicals—Demand for white arsenic is confined mainly to industrial uses at present. Offerings are plentiful and prices are holding around 6½¢@ 7¢ lb. according to seller and quantity. No interest is being shown in calcium arsenate at present.

Copper Salts—Domestic buying is practically at a standstill except for occasional small lots for industrial consumption. Some fairly good buying has taken place for South American account to be shipped during the next month. Copper metal has strengthened and is fractionally higher, but has not and is not expected to



have any effect upon the sulfate. Prices are holding at \$4.60 for carlot quantities and up to \$4.90 for jobbing lots. Imported held at \$4.40@4.50, spot. Copper carbonate has been moving well for use in the wheat belt. Prices are named at 16c@17c lb.

Leather Chemicals

Trend of the Market

Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.12	.12	.13	.15	1.50 1/4	.07
Acid, Lactic, 22% dark .....	.05	.05	.05	.04 1/4	.07	.02
Potassium Bichromate .....	.08 3/4	.08 3/4	.08 3/4	.09 1/2	.65	.06 3/4
Epsom Salt, tech.	1.70	1.70	1.70	1.75	3.75	1.00
Sodium Prussiate, Imp .....	.09 1/4	.09 1/4	.09 1/4	.13 3/4	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.40	4.10	.69
Sodium Bichromate .....	.06 3/4	.06 3/4	.07	.07 1/2	.45	.04 3/4
Sodium Hyposulfite, pea.	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks. ....	.08 1/4	.08 1/4	.08 1/4	.04 1/4	10 1/4	.02 1/4
Average .....	.925	.925	.925	.989	3.267	.528

With the tanning industry still waiting for increased consumption of leather materials the demand for leather chemicals and tanning materials is slow. Limited stocks of a few tanning materials are keeping prices firm, while chemicals are not expected to go lower. Vegetable and animal oils continue to move toward higher levels. Fish oils are also stronger. Higher cost of corn is making for higher prices in lactic acid.

Acids—Sellers of mineral acids have advanced their prices for trucking business in carboy quantities. Sulfuric and hydrochloric acids are 15c higher, and nitric, 25c higher. Acetic acid is in good demand and steady at \$3.12@3.37 or 28% in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76; formic is moving at 11 1/2c@12c lb.; oxalic is quiet but unchanged, 9 1/2c@10c lb.; recent

advances in the corn market have increased the cost of production of lactic acid and higher prices are anticipated in this item; dark, 22%, now named at 5c@5 1/2c lb., and light, 6c@6 1/2c lb.; 44%, dark, 10 1/2c@11c lb., and light, 12 1/2c@13c lb.

Alkalis—No intimation as to when next year's contract prices will be announced has been given out but they may now be expected any day. Deliveries on contract are well up to normal for this time of the year, according to manufacturers. Caustic soda is held at \$3.10 for 76% solid in carlots at works on contract and 10c higher spot works; 1/c/1 business in metropolitan district going on at \$3.76@3.91, delivered, for solid and \$4.16@4.31 for ground and flake. Soda ash on contract is named at \$1.25 in carlots, bulk, \$1.38 in bags, and \$1.63 in barrels, for 58% light. Spot business in 1/c/1 quantities, \$2.04@2.19 in bags, delivered, and \$2.29 @2.44 in barrels.

Chemicals—Bichromates are holding at recent levels with new business being taken on at 8 3/4c lb. for the potassium salt and 6 3/4c lb. for the soda; sal ammoniac moving at 6 1/4c lb. for the imported, and 7 1/4c@7 1/2c lb. for domestic; Glauber's salt is firm at \$1.25 for domestic while imported is offered at 90c; Epsom salt is easier at \$1.35 spot for imported; domestic holding at \$1.75; red arsenic held at 15c@15 1/2c lb.; formaldehyde, 9c@9 1/4c lb.; potassium titanium oxalate, 25c@30c lb.; sodium hyposulfite unchanged, 2 1/2c@2 3/4c lb.; sodium sulfide crystals, 2c@2 1/2c lb.; solid, 3c@3 1/2c lb.; sodium prussiate, 9 1/2c@9 3/4c lb., spot, and shipment, 8 7/8c lb. duty paid.

Tanning Materials—Showing fair movement but far from satisfactory from sellers' viewpoint. Prices are firm with myrobalans \$46@48 ton for J1, and \$34@36

THE CLEVELAND-CLIFFS IRON COMPANY

CLEVELAND, OHIO

FLOTATION OILS

DISTRIBUTING WAREHOUSES

NEW YORK
BOSTON
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CINCINNATI
LOUISVILLE
MINNEAPOLIS

BURLINGTON
CHICAGO
ST. LOUIS
KANSAS CITY
LOS ANGELES

PLANTS Marquette and Antrim, Mich.

for J2; sumac is scarce \$170 ton; wattle bark is firm, \$37@39 ton; extracts moving at 2c@3c lb.; gambier, common, 15c lb., and liquid, 12c@14c lb.; osage orange, 7c@8c lb.; quebracho, 3c@3½c lb.

Oils—Crushers have advanced linseed oil 3c gal. to \$1.09 for small lots; castor oil is higher, 17c lb. for No. 3; neatsfoot oil has advanced to 12¾c lb. for pure; crude menhaden oil is higher at 54c gal. but refined oils are unchanged at 68c@70c gal. for light strained; cod oil is firm, 62c@65c gal. in barrels; sperm oil is 5c higher, 92c@93c gal. for 38°; degreas held at 3½c@4½c lb.

TANNERS COMPLAIN OF FOREIGN CALF

Manufacturers of calf leather are organizing to present a petition to President Coolidge or to Congress seeking to have full protection extended in the tariff laws to offset the handicap under which the industry is laboring from the severe competition now being encountered from the cheap material which is being manufactured in Belgium, Germany, Austria and Czechoslovakia, which is being imported here in increasing quantities.

"How can we compete successfully against this invasion," asked Sylvan Barnett, of Barnett Leather Co., who returned from Europe last week, "when one figures the cost of labor and materials and the cost of living abroad with what we have to pay here? Compared with America they have every advantage. They are preparing there for a big consumption of calfskin leather here. The tendency is to stabilize economic conditions, due to the settlement of the reparation problem. The cost of labor abroad is only one-quarter to one-third of what it is here."

The Federal Reserve Bank of Boston finds that the hide and leather trade of New England continues to improve. Surplus stocks have been greatly reduced and the industry draws nearer to a stable basis. The paper business shows further increase and from now on more rapid strides are anticipated, particularly in the lower grades. A decidedly better tone is noted in the unbleached sulfite market with slowly advancing prices.



Conditions in the textile and shoe and leather industries of eastern Massachusetts are showing considerable improvement, according to a statement made to President Coolidge by Charles E. Littlefield, of Lynn, Mass., invited by the chief executive to become a guest of the White House over the week-end that he might give the President first hand information as to his visits to Massachusetts industrial centers.

Paper Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.30
Casein .....	.10½	.10½	.10½	.15½	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.04½	.50	.08
Salt Cake	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40° ..	.80	.80	.80	.80	1.75	2.00
Soda Ash	1.38	1.58	1.38	1.45	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	7.00	6.75	6.35	5.85	4.50	20.25
Average	6.00	6.00	5.960	6.414	13.30	5.50

While consumption of paper chemicals is showing a gradual improvement, buyers are still hesitant in anti-

VICTOR CHEMICAL WORKS

CHICAGO, ILL.

Phosphoric and Formic Acids

Phosphate of Soda
Epsom Salts
Ammonium Phosphate
Phosphoric and Formic Acids

BRANCHES
New York
Nashville
St. Louis

1816 CHEMICALS 1924

"Over a Century of Service and Progress"

TANNIC ACID

(TECHNICAL)

TANNIC ACID

(CONCENTRATED)

Our Technical Department will
welcome a consultation on Tannic
Acid standardization.

INNIS, SPEIDEN & CO., Inc.

Manufacturers, Importers, Exporters of
Industrial Chemicals

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pating their future requirements and sellers are delaying announcement of contract prices in several items. Announcement of 1925 prices in alkalis and bleaches within the next few weeks. Miscellaneous chemicals are holding steady.

Alkalis—No intimation as to when next year's contract prices will be announced has been given out but they may now be expected any day. Deliveries on contract are well up to normal for this time of the year, according to manufacturers. Caustic soda is held at \$3.10 for 76% solid in carlots at works on contract and 10c higher spot works; 1/c/1 business in metropolitan district going on at \$3.76@3.91, delivered, for solid and \$4.16@4.31 for ground and flake. Soda ash on contract is named at \$1.25 in carlots, bulk, \$1.38 in bags, and \$1.63 in barrels, for 58% light. Spot business in 1/c/1 quantities, \$2.04@2.19 in bags, delivered, and \$2.29@2.44 in barrels.

Bleaches—The first half of October was reported satisfactory and shipments were above those for the first half of Sept. Makers are not yet ready to announce prices for next year but the period for booking business is close at hand and announcement may be expected any day. Present prices are firm with bleaching powder held at \$1.90 in carlots of large drums at works; less than carlots, \$2.05. Liquid chlorine is held at 4½c lb. in tanks at works; carlots of cylinders, 5½c lb.; less carlots of cylinders, 6½c lb.; ton lots and less, 7½c lb.

Chemicals—Aluminum sulfate is steady at \$2.25@2.35 for the iron-free and \$1.35 for the commercial; salt cake is holding at \$18@20 ton; blanc fixe, \$75@80 ton; satin white, \$1.45@1.50.

Sizings—Competition is keeping the market unsettled

with offerings of odd lots around 10c lb. though generally held at 10½c lb. Rosins have been in good demand and all grades have advanced. Quotations New York: B to H, \$7.00; I, K, \$7.05; M, \$7.10; N, \$7.25; WG, \$8.00; WW, \$8.65.

Rubber Chemicals

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Antimony Sulfide Crim....	\$.39	\$.39	\$.39	\$.35	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.08
Average	3.458	3.458	3.464	3.520	5.931	..

Expansion in demand for rubber chemicals was noted during the week. Inquiries have not affected the entire line as yet. Activity in carbon black keeps up in spite of the reported over-production. The low prices for this item have stimulated buying, but whether the large amounts disposed of have fallen into speculative hands has not been ascertained. Sellers think that most of the material has gone into consuming channels. Imported barytes is firm, and stocks are said to be scarce.

Acid—Acetic is in steady demand at unchanged prices. Quoted at \$3.12@3.37 cwt. for 28 per cent material; \$5.85@6.10 for 56 per cent; \$7.20@7.45 for 70 per cent; \$8.19@8.44 for 80 per cent, commercial; \$9.98

HF & G

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New York, N.Y.

@\$10.23 for 80 per cent, pure; and \$11.00@\$11.75 for glacial goods.

Accelerators—Makers report a steady demand for their products. Aniline oil is named at 16c@17c lb. works, and 17c@18c lb. spot as to quantity. Diphenylguanidine is quoted steady by makers at \$1.10@\$1.15 lb. spot as to seller and quantity. Hexamethylene is moving in fair quantities at 82½c@85c lb. spot as to quantity. Litharge is active at 10½c@11c lb. spot. Quinoidine is easy at 40c lb. spot in drums. Thiocarbanilide remains unchanged at 27c@29c lb. spot.

Colors and Compounding Materials—A broadening in demand has been noticed. Antimony sulfurette is active at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson material. Blanc fixe is steady at 4c@4½c lb. f.o.b. New York. Carbon black is active at 5¾c lb. works in c/l, and 9c@10c lb. spot in c/l for ordinary, 10c@11c lb. for air floated, and 9c@10c lb. for compressed material. Magnesium carbonate is easy at 6½c@7c lb. spot as to quantity, and calcined at 4½c@5c lb. Talc is steady at \$14@\$15 ton works or \$25@\$26 ton ex-warehouse for domestic; French, \$40@\$45 ton; and \$23@\$25 ton for imported goods. Whiting is active at \$18@\$19 ton for imported, and \$13@\$15 ton for domestic. Zinc oxide is in small demand at 8½c@9c lb. spot.

Mineral Rubber—Steady at \$35@\$75 ton spot as to seller and quality.

Solvents—Goods are moving in spite of the keen competition. C.P. acetone steady at 16c@17c lb. works in c/l. Pure benzene is scarce and firm at 25c gal. works in tanks, and 30c gal. in drums. Ninety per cent material quoted at 23c gal. in tanks, and 28c gal. in drums.

Carbon bisulfide is in steady demand at 6c@6½c lb. spot. Carbon tetrachloride is in keen competition, but stocks are gradually moving at 6½c@7c lb.

Sulfur—Demand routine only at \$3.05@\$3.30 cwt.; and superfine, \$2.50@\$2.90. Sulfur chloride is in active demand at 6c@7c lb. for red, and 5c@6c lb. for yellow material.

RUBBER CRUDE MATERIALS ADVANCING

Reduction in tire prices by leading manufacturers has come at a time when the trend of crude rubber and fabric is upward, and this situation presents a new problem for the industry. Within the last week crude rubber has been reaching new highs on the recovery and is selling at 32 cents a pound, compared with a recent low of around 24 cents. Meanwhile fabric and cord tires are selling at the lowest prices in years. Manufacturers have been operating on a narrow profit margin and the latest price cuts, 3% to 6%, will add to their difficulties. At the same time the advance in crude rubber affects the cost of producing mechanical and footwear lines.

In its first preliminary semi-annual survey of automobile tires and inner tubes held by United States dealers on Oct. 1, the Department of Commerce states casings totaled 1,127,306, according to reports from 21,801 dealers, against 1,648,993 casings held by 17,500 dealers on April 1.

The Falls City Dyeing Co., incorporated for \$100,000, will operate a silk dyeing plant at Paterson, N. J.



Aero Brand

Yellow Prussiate of Soda

Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

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Textile Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.09½	.09½	.09½	.11¼	.70	.07½
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate	4.60	4.60	4.60	5.00	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.15	4.25	1.80
Glauber's Salt	1.25	1.25	1.20	1.30	2.50	.80
Potash, Caustic, Imp. ....	.07¾	.07	.06¾	.07¾	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	1.10	.60
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.06¾	.06¾	.06¾	.07¾	.45	.04¾
Average	1.778	1.778	1.778	1.808	4.800	1.42

Although numerous textile mills have resumed operations, buying is taking place on a conservative scale and the increased consumption of chemicals going into the textile industry has been hardly perceptible. Nothing important in the way of price movements has taken place. Mineral acids are slightly higher for small quantities. Caustic potash continues firm at the recently higher quotations. Potassium permanganate is easier.

Acids—Sellers of mineral acids have advanced their prices for trucking business in carboy quantities. Sulfuric and hydrochloric acids are 15c higher, and nitric, 25c higher. Acetic acid is in good demand and steady at \$3.12@3.37 or 28% in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76; formic is moving at 11½c@12c lb.; oxalic is quiet but unchanged, 9½c@10c lb.; recent advances in the corn market have increased the cost of production of lactic acid and higher prices are anticipated in this item; dark, 22%, now named at 5c@5½c lb.,

and light, 6c@6½c lb., 44%, dark, 10½c@11c lb., and light, 12½c@13c lb.

Alkalis—No intimation as to when next year's contract prices will be announced has been given out but they may now be expected any day. Deliveries on contract are well up to normal for this time of the year, according to manufacturers. Caustic soda is held at \$3.10 for 76% solid in carlots at works on contract and 10c higher spot works; 1/c/1 business in metropolitan district going on at \$3.76@3.91, delivered, for solid and \$4.16@4.31 for ground and flake. Soda ash on contract is named at \$1.25 in carlots, bulk, \$1.38 in bags, and \$1.63 in barrels, for 58% light. Spot business in 1/c/1 quantities, \$2.04@2.19 in bags, delivered, and \$2.29 @2.44 in barrels.

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Chemicals—Bichromates are moving at 8¾c lb. for the potash salt and 6¾c lb. for soda; imported sal ammoniac is offered at 6¼c lb.; domestic, 7¼c lb.; copper sulfate is quiet and unchanged, 4¾c@4¾c lb.; Glauber's salt is firm at \$1.25@1.50; imported Epsom salt is easier, \$1.35; lead acetate is higher, 15½c lb. caustic potash, 7½c lb., firm; potassium permanganate now quoted 12¾c@13c lb.; sodium prussiate, 9¾c@9¾c lb.; potash prussiate, 16½c@17c lb.; sodium hydrosulfate, 24c lb.; sodium sulfide crystals, 2c@2½c lb.

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These products are used for Chrome and Vegetable Tan. Also excellent for Violet Leather.

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For dope solutions, excellent for solubility and brilliancy.

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"STANDARDS EVERYWHERE"

LEVINSTEIN SEES BRITISH DYE TRADE DECLINING OWING TO MISMANAGEMENT

Plants in British Dyestuffs Corp. Have Lost Earning Capacity They Possessed When In Private Ownership—Explains Why Government Directors Sought to Force Agreement With Germans In Spite of Their Severe Terms

Dr. Herbert Levinstein, speaking at Bradford, England, before the Society of Dyers and Colorists, on Oct. 9, said in part: "Today the companies now amalgamated in the British Dyestuffs Corp. are weaker than before the war, less dangerous competitors, and a source of great anxiety to all concerned with our great industry. For this reason, no doubt, the Board of the British Dyestuffs Corp. have, as you know, proposed an agreement with the I. G. Last April at the annual meeting the chairman stated that the board will resign if they are not encouraged to complete the agreement, as outlined. The color consumers have definitely stated that they disapprove of the agreement, that they will prevent it if they can and will welcome an entire reorganization of the management.

"In 1918 you had in my firm a dyestuff manufacturing company employing 3,000 hands, analogous to, but smaller than the large German factories. The analogy lay in these three points:—(1) The business was managed by those who had created, or had grown up in it. (2) It was a company with three large factories, large assets, but with a small nominal capital. (3) It had a contented and permanent, not a nomadic, staff and a harmonious board.

"I was urged by the president of the Board of Trade in the critical stage of the war, not as a matter of busi-

ness, but as a matter of patriotism, to amalgamate our business with the British Dyes Limited. Why? Our business was not for sale. By fusing this business with the British Dyes, Ltd., it was hoped so rapidly to increase production that at the Peace Conference we could be independent. That was the argument. In fact the Amalgamation actually led to a considerable increase in production. The Germans never were able to use the dyes question as a diplomatic weapon.

"I was not willing to sell. In a measure it was a national not a personal possession. We never did sell our business, but we consented to put what we considered to be our duty before our inclination or our profit, and we exchanged our holding in Levinstein Limited for, in round figures, some £800,000 shares in the British Dyestuffs Corp. These shares are now worth less than a quarter of their nominal value.

"Now consider the following figures: The British Dyestuffs Corp. have recently recovered about £1,000,000 in E.P.D. from profits earned by Levinstein Ltd. before the amalgamation. Further, they are entitled to receive, or have already received, from the du Pont company the sum of £250,000 in cash, on account of the American rights for the Levinstein processes acquired by the du Pont company. The British Dyestuffs Corp. thus obtained their factories, outstandings, stocks, processes, royalties due and goodwill for a little over three quarter million in shares, and have regained therefrom about £1,250,000 in cash, and the present market value of what is left is about £180,000.

"I would commend to your consideration the answer to this question: If this particular dyestuff business has in the last two or three years furnished about £1,250,000 of hard cash into the coffers of the British Dyestuffs

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Corp. out of past profits and in royalties for their processes, why is the market value of their property today only £180,000, a tiny fraction of the cost of the factories, large, modern, up-to-date, and complete? The great factories and laboratories carefully designed in all ways are there intact. I will venture on the answer.

"Simply because the value depends on the earning capacity. This dyestuff works has lost the earning capacity it formerly possessed when in private ownership. While these factories are stagnant, in spite of the protection of the Dyestuffs Act, their trade is passing to other hands, those of people who know the aniline dye industry. Others in this country are busy working and enlarging their plants to take over a part of the business formerly held by Levinstein Limited. There appears, therefore, to me to be no doubt that you have an asset which has diminished to a startling extent. You must remember that in addition to the factories at Blackley and the Claus plant at Clayton, this figure of £180,000 also includes the value of the indigo works at Ellesmere Port. This plant was designed, erected, and owned prior to the war by the Germans. It has now double the pre-war capacity, possesses the complete monopoly for the manufacture of indigo in this country and is amply enough to supply the whole British demand.

"If this picture does not fit in with the complacent words of the chairman at the annual meeting of the British Dyestuffs Corporation it is not my fault. It appears to harmonize with and to explain the anxiety of the Government directors and the board to get through an agreement—I might almost say any agreement—with the Germans. It tends to justify the severity of the terms demanded by the Germans. We may surmise that it influenced the decision of the board to retire if they are not encouraged to complete the German agreement."

DEMAND RESALE OF ATLANTIC DYESTUFF

(Special to DRUG & CHEMICAL MARKETS)

Boston, Oct. 22.—The second hearing on the application by creditors of Atlantic Dyestuff Co. to have set aside the sale to interests representing the treasurer of the company, on the ground that the sale was incomplete and unjust, was held at Portsmouth on Thursday of last week. Evidence was presented by attorneys representing Sherwin-Williams Co. and Noil Chemical & Color Works showing that the sale at \$36,000 for the entire plant and stock was unjust in that it did not represent a fair value of the plant and that there were offers of considerably more money.

It was shown that certain New York interests had offered \$200,000 for the property and it is claimed that this offer was not brought to the attention of the court when it was endeavored to have the sale allowed.

The total liabilities of Atlantic Dyestuff Co. amount to \$1,000,000 and it was estimated by the creditors attorneys that there were actual assets sufficient to pay between forty and fifty cents on the dollar. Should the sale at \$36,000 be allowed there would be practically nothing for the creditors. One of the large creditors whose claim amounted to \$36,000 has made a settlement with one of Atlantic Dyestuff Co. officials, who guaranteed the account when it was contracted, but aside from this the \$36,000 would not be a drop in the bucket.

Albert C. Burrage, treasurer of the company, who made the bid of \$36,000, is to make a strong fight to have the sale allowed on the grounds that it was a public auction, properly advertised and that his bid was the high bona fide bid made at the sale. It is understood that Mr. Burrage holds Atlantic Dyestuff Co. notes for \$300,000 for money loaned to tide the company over various financial difficulties.

LINSEED OIL OUTPUT IN 1923 HEAVY

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 22.—Manufacturers of linseed oil, cake and meal report to the Census Bureau that the value of output in 1923 was \$113,221,318, of which amount \$76,751,818 represents linseed oil; \$29,259,243, linseed cake and meal; and \$7,210,257, other products, consisting chiefly of oils other than linseed. The rate of increase in the total value of products compared with 1921, the last preceding census year, was 59.4 per cent.

The statistics refer only to the output of those establishments which were engaged primarily in the manufacture or refining of linseed oil for the trade, and do not cover the value of the oil made and consumed by the same establishments in the manufacture of paint, and of linoleum, nor the output of linseed oil, cake, and meal as secondary products by establishments in the paint, linoleum, and other industries. The total value of commodities produced outside the linseed-oil industry in 1921 was \$3,002,687, an amount equal to 4.2 per cent of the total value of products reported for that industry. The total output of linseed oil during the calendar year 1923 amounted to 633,563,870 pounds.

ISSUE ESTIMATE ON COTTONSEED OIL

Cottonseed crushed in the two-month period, Aug. 1 to Sept. 10, amounted to 377,332 tons, compared with 304,304 tons in the same period last year, and cottonseed on hand at mills Sept. 30 amounted to 380,443 tons, compared with 421,746 tons a year ago, the Census Bureau announces.

Cottonseed products manufactured during the period and on hand Sept. 30 were: Crude oil produced 109,678,383 pounds, compared with 85,651,931, and on hand, 44,115,692, compared with 34,620,024; refined oil produced 70,073,850 pounds, compared with 52,827,568, and on hand 50,343,673, compared with 41,649,527; cake and meal produced 173,742 tons, compared with 140,310, and on hand 47,711, compared with 47,351; linters produced 69,690 bales, compared with 57,517, and on hand 65,766, compared with 35,596.

Exports during the two months were: Crude oil 741,785 pounds, compared with 774,280; refined oil 1,531,765, compared with 1,335,259; cake and meal 17,398 tons, compared with 16,827, and linters 9,562 bales, compared with 7,567.

POTASH SYNDICATE OPENS NEW AGENCY

Baltimore, Oct. 22.—Potash Importing Corp., the American organization for the distribution of German potash in the United States, has opened a branch office in the Citizens' National Bank bldg. Werner Duehrssen is in charge. Traveling representatives will cover this city, Maryland, Pennsylvania, New Jersey, Ohio, Indiana, Kentucky, North Carolina and Virginia. The new agency will co-operate with the branch of H. J. Paker & Bro., New York, already established here, under the direction of Alexander Hoffmann. W. C. Geoghegan will cover New Jersey and Eastern Pennsylvania.

Werner Duehrssen is twenty-two years old, son of Mr. Duehrssen, who headed the German Potash Syndicate's Baltimore offices before the war, afterward going to New York to take charge there. The elder Mr. Duehrssen had a paralytic stroke recently, but now

The Amoskeag Manufacturing Co., for the first time since 1840, which was nine years after it was founded, passed the dividend due Nov. 1 on its common stock. The company has paid quarterly dividends of 75c on this stock since 1923, previous to which it paid \$1.50 quarterly on the stock, which in April, 1920, was increased by a stock dividend of 100 per cent.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Oct. 18

	Bid	Asked		Bid	Asked
*Air Reduction	81 3/4	82	Hercules Powder	84	85
*Allied Chem. & D.	71 3/4	71 3/4	Hercules Powd., pf.	104	106
*Allied Ch. & D., pf.	116 1/4	116 1/2	Heyden Chem.	3	—
*Am. Ag. Ch.	11 1/4	13	Hooker Electro	10	12
*Am. Ag. Ch., pf.	33	34	Hooker Electro, pf.	35	45
*Am. Chicle	1	31 1/2	*Household Products	33 1/2	34 1/2
*Am. Chicle, pf.	75	85	*Int. Agricult.	3 1/2	1 1/2
*Am. Cyan.	91	95	*Int. Agricult., new	5 1/2	6 1/2
*Am. Cyan, pf.	76 1/2	78	*Int. Agricult., pf.	8	9 1/2
*Am. Druggist, S.	5 1/2	5 1/4	*Int. Nickel	18	18 1/2
Am. Glue	34	35	*Int. Nickel, pf.	90	91
Am. Glue, pf.	101	104	*Int. Salt	68 1/2	70 1/2
*Am. Linseed	17 1/2	18	*Mathieson Alk.	34 1/2	35
*Am. Linsed, pf.	39	40	*Mathieson Alk., pf.	88 1/2	—
*Am. Metal	47	48	MacAnd. & Forbes	147	150
*Am. Zinc	7 1/4	7 1/2	MacAndrews & Forbes, pf.	99	101
*Am. Zinc, pf.	26	27	Merck & Co., pf.	59	62
Archer-Dan-Mid	18 1/2	21 1/2	Merriam	81	85
Archer-Dan-Mid, pf.	86	88	Mulford Co.	29	32
*Atlas Powder	45	45 1/2	*National Lead	150 1/2	152
*Atlas Powd., pf.	81	82	*National Lead, pf.	116	116 1/2
By-Prod. Co.	35	40	N. J. Zinc	157	160
By-Prod. Co., pf.	100	103	Niag A., pf.	80	85
Canad. Ind. Al.	28	30	Parke, Davis & Co.	77	80
Canad. Salt	95	100	Penn Salt	78 1/2	79 1/2
Casene Co.	60	67	*Peoples Gas, Chi.	107	107 1/2
Celluloid Co.	55	60	Procter & Gamble	105	—
Celluloid Co., pf.	98	100	Procter & Gam., pf.	106	108
Charcoa.	35	50	Royal Bk. Po.	145	150
Ches. Mfg.	48 1/2	50	Royal Bk. Po., pf.	98 1/2	100
Ches. Mfg., pf.	110	115	Shawinigan	4	6
Clark Co., Fred	2	3 1/2	Shawinigan H.	130	132
Cleve. Cliffs Iron	75	—	Sherwin-Williams	28 1/2	28 1/2
*Com'l Solv. A.	68	69	Sherwin-Will., 1st pf.	103	105 1/2
Do B.	64	64 1/2	*Sterling Prod.	61	62 1/2
*Corn Products	35	35 1/2	Swan & Finch	42	47
*Corn Products, pf.	119 1/2	121 1/2	*Tenn. C. & Chem.	73 1/2	74 1/2
*Davison Chem.	44 1/2	45	*Tex. Gulf, Sul.	77 1/2	78 1/2
Dow Chem. non par.	52	54	Union Carbide	59 1/2	59 1/2
Dow Ch. pf.	94	98	*Un. Drug	93 1/2	93 1/2
Dow Drug Co.	150	175	*Un. Drug 1st jf.	49 1/2	50 1/2
Dow Drug Co., pf.	104	106	*Un. Dyewood	—	88 1/2
Du Pont de Nem.	136	136 1/2	*Un. Dyewood, pf.	—	88
*Du Pt. de Nem. Db.	—	92 1/2	Un. Gas Imp.	79	79 1/2
*Eastman Kodak	109	110	Un. Gas Imp., pf.	57	—
*Eastman Kodak, pf.	110 1/2	—	*U. S. Gypsum	114	116
*Freeport Tex.	8	8 1/2	*U. S. Indus. Al.	71	71 1/2
*Genl. Asphalt	40	40 1/2	*U. S. Indus. Al., pf.	102 1/2	104 1/2
*Genl. Asphalt, pf.	81	83	*Va. Car. Ch.	1 1/2	1 1/2
*Gold Dust	35 1/2	37	*V. Vauvoud	8	8 1/2
Grasselli	123 1/2	124	Will & Baumer	12	15
Grasselli, pf.	102 1/2	—			

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.48
France (franc)	193	.052
Italy (lira)	193	.043
Germany (mark) per hundred	23.80	—
Czechoslovakia (crown) per hundred	20.30	.029
Poland (zloty)	193	.122
Japan (yen)	499	.882
Holland (guilder)	402	.890
Spain (peseta)	193	.134
Belgium (franc)	193	.048
Switzerland (franc)	193	.191
Norway (krone)	268	.142
Sweden (krone)	268	.266
Denmark (krone)	268	.172
Argentina (peso)	424	.371
Brazil (milreis)	324	.112
India (rupee)	485	.337
China (Shanghai, silver)	789	.554
China (Hankow, silver)	1.886	.781
China (Peking, silver)	1.156	.806

DRUG AND CHEMICAL JUDGMENTS FILED

A judgment for \$2,689.38 against American Medical Products Co., Inc., has been filed in New York County by M. J. Burnett.

Devos & Reynolds Co. has filed judgment for \$100.83 in New York County against G. Albert Moulton.

Radio Active Toilet Preparations is the debtor in a judgment for \$243.83 filed in New York County by W. B. Swindell.

Schiffelin & Co. have entered judgment for \$675.70 in Bronx borough, New York, against Spencer H. Travis.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

E. S. Hall, Inc., Malden, Mass., \$30,000. To make extracts and pharmaceutical preparations. Stedman G. Bixby, Malden; Alice M. Creamer, Westboro; John C. Bills, Jr. Waverly.

Falls City Dyeing Co., Paterson, N. J., \$100,000. Joseph T. Carrell, Francis Zeff, Florence Fathorne.

United Ammonia Co., Wilmington, Del., \$300,000. A. W. Marshall, John P. Shea, Greenwich, Conn.; John R. Dolan, Brooklyn, N. Y. Corporation Trust Co. of America.

Cereal Soaps Co., New York, 100 shares common stock, no par value. H. Waldman, B. Markowitz, E. Rothman. Attorney, S. M. Levy, 277 Broadway.

Rayon Silk Co. of America, Dover, Del., \$6,000,000. Registrar and Transfer Co., Dover.

Rocky Mountain Paint Co., Wilmington, Del., \$800,000. Colonial Charter Co.

National Lead Battery Co., Wilmington, Del., \$150,000. Corporation Trust Co. of America.

Genero Corp., Wilmington, Del., \$150,000. Drug stores. Representative, Artemes Smith, Wilmington.

Ramos Laboratories, New York, \$150,000. Toilet preparations. J. L. Bissell, R. L. Weaver, C. A. Klots. Attorney, S. Ryan, Albany, N. Y.

Chanel, New York, 100 shares common stock, no par value. T. McErlan, F. Borchmann, G. L. Knust. Attorneys, Briesen and Schrenk, 50 Church St.

Awa-N Products Corp., New York, \$30,000. To make chemicals. E. J. Feinberg, J. Michel, B. Hennessy. Attorney, A. W. Feinberg, 30 E. 42nd St.

Florieine Benedictine Perfumery Co., New York, \$10,000. J. Rialland, M. Horowitz. Attorney, W. Greenberger, 1133 Broadway.

Metropolitan Cleansing Products Co., Dover, Del., \$150,000. E. R. Brause, E. Levinson, John T. McGovern, New York. Delaware Registration Trust Co.

Brown Herb Co., Dover, Del., \$100,000. Medicinal products. Lyman Brown, Robert A. Brown, Sea Gate, N. Y.; Edgar Beckman, Bronxville, N. Y. U. S. Corporation Co.

Lem-N Blend Co., Dover, Del., \$50,000. To make soda fountain drinks. E. J. W. Keagy, R. S. Gibson, J. R. Alexander, Pittsburgh. Capital Trust Co. of Delaware.

Naphthalene, flakelb. .05 .05 .05 .06 1/2 .16 .03

Cleasint Chemical Corp., Wilmington, Del., \$100,000. Delaware Charter Co.

Clegg Chemical Co., New York, \$10,000. Oils and paints. C. J. and L. Clegg, S. Isaacs. Attorney, A. W. Feinberg, E. 42nd St.

Perfums de France, New York, 200 shares preferred stock, \$100 each; 300 shares common, no par value. P. M. Bentayou, B. Leigh, L. P. Arnaud. Attorney, F. J. Knorr, Albany.

National Waterproof Products Manufacture, Dover, Del., \$1,000,000. U. S. Corporation Co.

Sanitate Paint Renovating Corp., Wilmington, Del., \$100,000. To manufacture products by formula. Corporation Trust Co. of America.

CANADIAN INCORPORATIONS

Cheramy Linette, Montreal, \$300,000. To manufacture perfumes and toilet articles. Paul St. Germain, Leopold Guerin, Achille Raymond, Montreal.

Dunnville Woolen Mills, Ltd., Montreal, \$25,000. To manufacture textiles. William Hodger and Henrietta M. Coyle, Montreal; Thomas D. Bailey, Toronto.

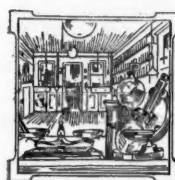
Gloss Products, Ltd., Calgary, Alta., \$75,000. To manufacture polishes. Robert Hutchison, Louis A. Brown, John M. Finlayson, Calgary.

Ritchie & Ramsay, Ltd., Toronto, \$1,000,000. To manufacture paper. Alfreda G. Hughes, Edith W. Verity, Ethel Moncrieff, Toronto.

Report of Chile Copper Co., including Chile Exploration Co., for the six months ended June 30, 1924, showed net income of \$5,395,588 after all charges and accrued Federal tax, except depletion, equal to \$1.23 a share (\$25 par value) on the \$109,776,500 capital stock outstanding compared with net income of \$9,424,851, or \$2.15 a share in the corresponding period of 1923.

Sandoz Chemical Works has filed judgment for \$120.39 in New York county against Litchfield Paper Co.

Keystone Varnish Co. has filed judgment for \$182.10 in New York County against Francis Grandjohl.



Drug & Fine Chemical

SECTION



Development of the Quinine Monopoly

How the Dutch Have Gained Control of Ninety Per Cent of the World's Supply of this Drug Staple

Through perseverance and hazardous commercial risks, the Dutch have built up over a period of years a monopoly in the world's quinine. From transplantations from South America originally, the great cinchona estates of Java have been developed. Ninety per cent of the bark is to-day produced by the Dutch owned estates, while the remaining ten per cent is grown on estates financed by British quinine manufacturers and by the only Japanese quinine producer.

Following the authorization by the last Congress of an investigation of essential raw material monopolies controlled without the United States, a report on the history, production, and marketing of cinchona bark and quinine has been compiled by Commercial Attache Samuel H. Cross at the Hague, and has just been made public by the Chemical Division of the Department of Commerce. The sections of the report dealing with the rise of the Dutch monopoly, and with the market situation and trade practices have been selected for publication by DRUG & CHEMICAL MARKETS. The second portion of the report will be published next week in the Oct. 29 issue.

—The Editors.

THE original source of supply of cinchona bark was South America, where the various varieties of cinchona trees are native to the Andean forests between 10° north latitude and 19° south latitude. While small supplies are still obtained from these districts, especially Bolivia, their yield is insignificant in comparison with the Javanese output. About 1860, efforts were made to introduce cinchona culture into British tropical possessions; by 1885, Ceylon was the principal source of world supply, but was speedily replaced by Java, which now supplies some 90 per cent of the world output. The production of bark in British India is now estimated at 1,500,000 pounds. The development of cinchona culture in British possessions is dealt with in a subsequent section.

In view of the predominance of the Netherlands East Indies, the position of the Dutch factories, both at home and in Java, is of particular interest for an understanding of the industry, and circumstances arising from the war have signally contributed to confirming Dutch control. The two original Dutch factories are the Amsterdamsche Chininefabriek, at Amsterdam, and the Nederlandsche Kininefabriek, at Maarssen, founded in 1881 and 1894, respectively, and until 1896, quinine output was largely controlled by the older plant in conjunction with the German producers. In 1892, in fact, the European manufacturers formed a syndicate which pushed quinine prices upward but at the same time depressed the prices of bark from 6.3 to 4 and then to 2.5 Dutch cents (100 Dutch cents equals 1 florin; 1 florin equals 46.2 cents United States currency) per unit (5 grams), with the result that many Java planters were threatened with ruin. The result was the organization, in 1894, of the Bandoengsche Kininefabriek in Java, which began production about two years later. The factory, which was destined to become the most important factor in the industry, was first established on the modest capital of

400,000 florins, of which only 100,000 florins was placed; it was later raised in 1910 to 700,000 florins, and in 1920 to 4,000,000 florins, of which 800,000 florins is common and the balance in 9 per cent preferred stock.

Bandoeng Factory Established

Prior to the foundation of the Bandoeng factory all bark was transported to Europe for quinine extraction, and it was the original intention of this plant to prepare quinine sulfate for account of the Java planters at a fixed manufacturing cost, a policy which at the time appeared to promise advantageous results because of the considerable spread between the prices on bark and on the drug. The European producers, however, naturally saw in the Bandoeng enterprise a dangerous incipient competitor, but no sooner had the latter commenced production when the bark price in Amsterdam began to rise by leaps and bounds, until in 1900 it passed 12 cents per unit.

This reaction of prices was not due so much to any action of the European manufacturers as to the decrease of bark shipments from Java following the collapse of the bark market in December, 1896, when bark prices in Amsterdam dropped to 2.17 cents per unit. During the next year (1897), as consumption was sustained, competitive buying was particularly heavy at the auctions, and by November the unit price had risen to 7.90 cents. Higher quotations naturally encouraged planters to ship larger quantities of bark, with the result that prices weakened during 1898, stiffened during the earlier part of 1899 on decreased bark shipments, and then maintained higher levels owing to a strong temporary demand for bark of large cinchonidine content. It was at this stage that the Bandoeng factory began to sell quinine sulfate under the European market. In the course of 1900 the first eight months showed lower bark shipments, with the result that the maximum unit price

of 12.25 cents was recorded in September. The margin between bark and quinine prices was entirely wiped out, and there was thus no longer any advantage for the planters to turn their bark over to the Bandoeng factory for transformation rather than consigning it to Amsterdam.

From 1900 to 1905 annual bark shipments from Java to Europe increased from 5,390 tons to 7,699 tons. Though during this period demand was fully sufficient to absorb European quinine production, apprehension of overshipment of bark from Java, coupled with sharp competition among quinine manufacturers, depressed unit prices by over 50 per cent. After the Russo-Japanese War quinine consumption fell off, and the unit price weakened further, despite smaller bark shipments in 1906, when the average was 4.31 cents. The year 1907 once more began with smaller shipments and a higher unit price (6.78 cents in January), but excessive shipments during the rest of the year pushed it down 45 per cent, to 3.71 cents in December. Meanwhile the Bandoeng factory changed its policy and went over to the buying of bark and its transformation for its own account. The policy of the Bandoeng factory was undoubtedly one of the principal factors, if not the factor par excellence, contributing to keeping unit prices down. In 1908-9 it thus guaranteed planters a better price than they could get in Europe but at the same time continued to sell quinine under the European parity.

The prices guaranteed by Bandoeng so increased the offer of bark in Java that the factory was obliged to refuse all lots of bark not previously contracted for. The quinine sales of Batavia were at this time abolished (1910), after the factory had been forced to buy up a good proportion of the quinine thus offered in order to fill its obligations to the growers when the finished product did not meet with a receptive market, for the reason that American demand fell off in 1908-10 after being the mainstay of the Bandoeng enterprise.

The management of the Bandoeng factory then decided to produce other compounds beside sulfate (especially bi-sulfate, hydrochloride, tannate, and sugared pills), and also to undertake the direct marketing of these preparations. It further adopted the expedient of buying bark at the Amsterdam parity minus a fixed differential for freight and handling costs saved, and thus was able to operate on a satisfactory paying basis.

Java Planters' 1909 Dissatisfaction

At the close of 1909 the Bandoeng factory had in stock 33,000 kilos of quinine sulfate, while the colonial government also held a considerable stock of this drug originating in this plant, amounting to some 67,000 kilos. In the next two years, however, all this stock was worked off more or less at a sacrifice, but meanwhile weighed heavily on the bark market, with the result that prices at Amsterdam hovered constantly between 3. and 3.3 Dutch cents per unit, and dissatisfaction among the planters was aggravated. The Bandoeng factory, having had a bad influence on the market for some six years, was then invited by its European rivals to join in the quinine accord (in contradistinction to the various conventions, referred to in Dutch as *Overeenkomsten*), which entered into effect on January 1, 1913. During this period various means were discussed for making cinchona culture more profitable for the plantation owners, since with bark at 3 cents few could show adequate earnings and some were even going over to tea culture. The failure of the owners to realize that their own disorganized overproduction was what cramped the market was one of the main obstacles to any accord. One solution proposed was the establishment of factories by the plantations or for their account, and even the erection of a Government factory in the Indies was seriously considered. Weighty techni-

cal objections existed to both these solutions, lying primarily in the difficulty of recruiting special personnel, as well as in the fact that most plantations were situated high in the mountains, so that the transport, both of materials for constructing the factories and of chemical and other supplies for their operation, would have been extremely difficult.

In the course of 1911-12, negotiations were begun between the European quinine manufacturers and representatives of the Javanese Society for Promoting the Interests of Cinchona Culture, which developed a basis for agreement in the declaration of the manufacturers of their readiness to buy annually the bark equivalent of 500,000 kilos of quinine sulfate at 4 Dutch cents per unit, with prospect of a raise to 5 cents. The plantations, however, hesitated to accept this offer, and had great difficulty in arriving at a common accord.

The successful operation of such an agreement required a control office to check up on all the plantations and fix their individual bark delivery quota each year, and also demanded that 90 per cent of the plantations should be signatories. Some, however, still seemed to prefer the erection of their own factories. They proposed, however, to the manufacturers that, during the course of the projected contract, no additional factory should be erected except a Government test plant with a capacity of 12,000 kilos of quinine sulfate annually (The Government testing station at Tjinjirean, Java, was founded in 1911). The manufacturers were, however, firm in their determination that if there was to be a convention there should be no new factory.

Workings of the Convention

Quinine prices in 1912 rose slowly, and a better figure was paid for bark in consequence. The negotiations were also brought to a satisfactory conclusion on the basis of a minimum unit price of 5 cents for a period of five years, and the factories obligated themselves to take over jointly the bark equivalent of 515,000 kilos of quinine sulfate. The convention was further worked out during the first half of 1913. Prior to the 1913 accord and convention an unrestricted competition had prevailed among the bark producers as well as among manufacturers, with the result that prices of both raw material and finished product constantly declined. The main cause of this situation was an excess of production over consumption with the result that large quantities of bark in first and second hands were warehoused at Amsterdam, while the manufacturers were fully supplied, and there was also in London a large stock of both bark and quinine. The primary difficulty in the way of concluding an agreement was that the manufacturers, while not objecting to the payment of a fair price on bark, could not bind themselves to accept all bark produced without the assurance that what bark they did not take would not be thrown on the open market below the conventional price.

Regulations were thus necessary governing old stocks and prohibiting the plantations from selling bark to other than the contracting factories, while the quantity which the latter had to take on was rigidly fixed. These difficulties were further complicated by the efforts of one group of planters toward inducing the colonial authorities to erect a factory on the Government plantation at Tjinjirean. Finally, however, the quantity to be bought in by the manufacturers was fixed annually at 515,000 kilos of quinine sulfate (bark equivalent), while the manufacturers also promised to take up during the first contract year 50,000 kilos out of the first hand stocks at Amsterdam, and an association was formed to take over the other stocks, which were to be financed by the aid of the Netherlands Trading Co. The East Indian Government was authorized to put up a factory to supply itself and the native population, with a capacity

of not over 12,000 kilos per year, which was to be deducted from the 515,000 kilos to be taken by the other factories. The minimum price was fixed at 5 Dutch cents per unit, to be raised, if quinine prices increased, with half the factory sales price over 16.50 florins per kilo.

CRAMTON BILL NOW IN BORAH'S HANDS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 22.—E. E. Kemp, of the Proprietary Association, calls the attention of members of the association to the fact that Senator Brandegee of Connecticut, who died here last week, was chairman of the Judiciary Committee of the Senate, which had charge of the Cramton bill.

Senator Borah, of Idaho, will become the chairman of the committee, and Mr. Kemp is urging members to communicate with him and protest against the bill and the way in which it was handled at the last session.

"The situation is somewhat acute, and of the utmost importance," says the bulletin. "If the proponents of the Cramton bill had succeeded in their desperate effort to jam this bill through the Senate in the closing days of the session, we would now feel the crushing effects of the stipulation which it was proposed to surcharge upon permits to withdraw alcohol."

VOTE AGAINST THE CRAMTON BILL

Supporting the position taken by the Committee on Industrial Alcohol of the American Chemical Society and the American Institute of Chemical Engineers, the Administrative Board of the American Engineering Council in session in Chicago, last week, declared its hostility to the Cramton plan of transferring jurisdiction from the Bureau of Internal Revenue to an agency which it declared was "invested with despotic powers and responsible only to the Secretary of the Treasury."

The council demanded that the control of industrial alcohol be separated from the enforcement of the Eighteenth Amendment. In a resolution it declared that "the Cramton bill is inimical to the chemical industries of the country and is not necessary to prohibition enforcement."

The vanilla crop in Mexico will be of a much better quality and a little larger than last year, according to Vice Consul Willys A. Meyers, who says: "While the rains have not been so plentiful, the weather has been very warm and the vanilla beans have matured rapidly. The locust pest has just made its appearance in the Gutierrez Zamora vanilla district, and unless more efforts are made to exterminate the pests than have been made in other parts of the state of Vera Cruz the present crop may be damaged."

Sales of Monsanto products during July were 12 per cent greater than last year and those for August this year were 20 per cent larger than last, according to John F. Queeny, chairman of the board of Monsanto Chemical Works, St. Louis, who says that all through this year sales have shown a constant increase over 1923.

"Pecebo" has been incorporated under New York state laws, by Edward Plaut, Robert Plaut, and J. Plaut, of Lehn & Fink, of which company Edward Plaut is president, and Robert Plaut, treasurer. The stock of the new company, which takes over the tooth paste patents, consists of 1,000 shares common stock of no par value.

Dr. Charles H. Herty, president of Synthetic Organic Chemical Manufacturers' Association, is the guest of William J. Hale of Dow Chemical Co. in Michigan, for ten days hunting.

The Editor's Correspondence

Emerson Defends Doone Transactions

Editor, DRUG & CHEMICAL MARKETS:

Articles continually appear in your paper concerning the Doone bankruptcy case and contain many false and exaggerated statements concerning the examination of Harry Bennett, president of the Emerson Chemical Corporation of New York City.

AS a matter of fact, the writer knows that the information stated in your last article concerning the hearing held on October 9th was obtained through some unfortunate creditor who had extended credit to the Doone Cosmetic Company, which was controlled by one, Horowitz.

It is and was impossible at this time to have any report as to the testimony offered at this last hearing outside of a report by such a creditor, as the minutes of this meeting have not as yet been transcribed.

In all of the said publications it would appear that the writer refused to answer questions put to him by counsel representing creditors of this bankrupt. This is wholly incorrect, as the writer has done everything in his power to furnish the creditors' attorneys with whatever information they desired, whether or not it was relevant to this matter; but as to questions of book-keeping, it cannot be expected of any man to remember the contents of his books, especially so where he is not a bookkeeper and does not handle the books.

You have stated in one of your articles that the merchandise purchased from the Doone Cosmetic Company, been sold through my concern at prices sharply lower than market. This is also untrue. We have, of course, sold merchandise at market and also slightly below market, the same as other concerns have done and still are doing. We purchase merchandise under market and sell under market. In fact we have sold merchandise in their original packages to some of the members of the Creditors Committee, including the Industrial Chemical Company, who at the last meeting flatly denied purchasing any merchandise from us or anybody else below market. Our records are open to investigation to corroborate this point.

The transactions that my concern has had with the Doone Cosmetic Company has been nothing else but legitimate and in the ordinary course of business. Before my concern had any business at all with the Doone Cosmetic Company the writer drew a financial statement on the concern and satisfied himself that the firm was of good financial standing. What more can be expected of anyone?

At one of the former hearings, our counsel, Mr. Indig, offered Mr. Dannenberg, representing the creditors of the defunct company, an examination of all our books but the offer was not accepted.

At the last hearing on October 9th we again consented to submit our books to an examination and at this time it was agreed that the accountant for the Industrial Chemical Co. was to meet our accountant to make such an examination. An arrangement was then made but the examination has been called off by the creditors.

If your reporter will take his time to investigate the minutes of these hearings and not depend upon outside information, I am sure that a paper of your standing would never print such libelous articles.

We have offered every assistance possible to the creditors and have given them all the information we pos-

(Continued on page 1251)

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1254

CODLIVER OIL FIRM AND ACTIVE ON SPOT

Shipment Named at \$25 bbl. c.i.f. and Up—Strychnine
Advanced by Makers—Imported Bromides Closely
Held—Statistical Position of Menthol Too High—
Buying of Imported Glycerin Heavy—Alcohol Active
—Fusel Oil Firm—Castor Oil Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Bromides, Sodium, Imp., 2c lb. Iodine, Tincture, U.S.P., 10c gal.
Castor Oil, U.S.P., 1/2c lb. Strychnine, Alkaloid, 8c oz

Declined
Bay Rum, Porto Rican, 5c gal. Podophyllin, Second Hands,
Glycerin, C.P., Drums, 1/2c lb. 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$35	\$35	\$35	\$32	\$2.00	\$2.20
Acid Citric, Import .....	.45 1/2	.45 1/2	.45 1/2	.48	1.25	.45
Catechol Alkaloid	3.50	3.50	3.50	4.00	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref. ....	.68	.68	.67	.86	3.55	.41
Iodine, Resublimed	4.75	4.65	4.65	4.55	5.00	3.75
Menthol	12.75	12.75	13.50	15.00	13.50	8.00
Potassium Bromide, Cryst. ....	.38	.38	.38	.40	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.49 1/2	.49 1/2	.49 1/2	.84	2.05	.50
Average	2.31	2.32	2.38	2.59	5.92	1.56

Activity in codliver oil has featured the fine chemical market during the week. Imports last week were over 400 barrels. Most of this was sold before shipment, and the balance was disposed of on landing. Spot stocks are scarce, and reports state that supplies are becoming reduced in Norway. With the firm chemicals tending higher, consuming interest appears to be increasing, although with shipment prices so high, importers are afraid to buy for forward delivery except on actual orders. Imported bromides are in small supply on spot, and shipments are firmer with tendency to offer in small amounts only. Acetylsalicylic acid, saccharin, and iodine are also in active demand. Bay rum, glycerin, and podophyllin are lower.

Acetanilid—While makers name 32c@36c lb. spot as to seller and quantity, resellers are inside at 4c@35c lb. Demand is fair, but sellers state that they can take care of more business without any trouble.

Acid, Acetylsalicylic—Makers name 75c@85c lb. spot as to seller, and resale quoters are offering 72 1/2c@75c lb.

Acid, Benzoic—U.S.P. in small demand at 70c@75c lb. spot by second hands, and 75c@85c lb. from manufacturers.

Acid, Citric—Stocks of imported material are becoming reduced, but the trade thinks that when little demand is coming from consumers, one pound is as good as 1,000 pounds. Quoted at 45 1/2c@46c lb. spot for imported material, and 46c@47c lb. for domestic goods. Imports last week at New York were 60 kegs.

Acid, Phosphoric—Domestic makers name 16c@17c lb. spot. Demand has been active for the past four months.

Acid, Salicylic—Makers report an active market for U.S.P. material at 35c lb. spot, while goods in resale quarters are named at 32c@33c lb.

Acid, Tartaric—Demand is small with imported named at 26c@27c lb. spot with the probability of shading these prices on quantity business owing to the rather

heavy supplies carried in this market. Last week saw an additional 500 kegs entered at New York. Replacement values are close to spot prices, allowing little margin of profit.

Alcohol—Market is firm and makers view the situation with a tendency to higher prices owing to advancing cost of raw materials as well as a good consuming demand. The advances in raw material have been greater and more numerous than those of the finished product, covering a period of three years. No. 1 specially denatured named at 57 1/2c@59 1/2c gal. spot in drums, and No. 5 completely denatured at 56 1/2c@58 1/2c gal.

Alolin—Market is firm at 86c@88c lb. spot.

Amidopyrine—Little call from consumers at \$4.35@ \$4.50 lb. spot for imported, and \$4.60 lb. for domestic material.

Antipyrene—Demand routine in character only at \$1.05 @ \$2.00 lb. spot.

Bay Rum—Porto Rican has declined and now quoted at \$1.05@ \$1.15 gal. spot as to quantity. Supplies are becoming more plentiful, and competition somewhat keener. St. Thomas also lower at \$1.05@ \$1.15 gal.

Bromides—Supplies are scarce, and what little imported sodium is on spot, is higher at 38c@40c lb., while potassium is named at 30c@32c lb. Ammonium is practically off the market. Shipment prices are so much higher that importers are not inclined to buy at the moment at least. Domestic quoted at 44c@45c lb. spot for ammonium; sodium, 38c lb.; and potassium, also 38c lb.

Camphor—Japanese spot market is easy 68c@69c lb. for 2 1/2c lb. slabs. Consuming industries appear to be taking on supplies to carry them for short time only. Imports last week at New York were 297 cases from China. Domestic, while quoted at 80c lb. spot in bulk, is in steady demand from regular customers.

Castor Oil—Market has advanced and now quoted at 17 1/2c@18 1/2c lb. spot as to quantity for U.S.P. material.

Cocoa Butter—Firm at 24c@25c lb. in bulk, and figners at 33c@35c lb.

Codliver Oil—As soon as supplies come into this market, they pass directly into consumption. Stocks tending scarce in America as well as in primary market. Reports are heard that some of the largest buyers are still uncovered. Last week saw 400 barrels and 88 casks imported at New York. Spot quoted at \$25.50@ \$26.50 bbl. as to brand, with shipment named at \$25.00 bbl. c.i.f. New York and up.

Cream Tartar—Imported market quiet at 20 1/2c@21c lb. spot, and domestic 21 1/4c@21 1/2c lb. Last week saw 100 cases entered at New York.

Epsom Salt—A fair consuming demand for U.S.P. goods at \$1.75@ \$2.25 cwt. as to quantity for imported, and \$2.10@ \$2.50 cwt. for imported.

Formaldehyde—Makers are firm at 9 1/4c@9 3/4c lb. works in c/l, and 10 1/2c lb. in carboys. Competition has become less keen during the past two months.

Fusel Oil—In active demand at \$3.15@ \$3.25 gal. spot for crude, and \$3.50@ \$3.75 gal. for refined material. Last week saw 15 barrels imported at New York.

Glycerin—C.P. quoted lower at 18 1/2c@19c lb. spot in drums, although some refiners still adhere to the 19c price as the inside. Dynamite also named lower at 18c @18 1/2c lb. at point of production. Reports are heard

that some large sales of crude have been made in France to be shipped to America via England. The price of imported crude has advanced such that the laid down cost in America is about equal to domestic material. Imports last week at New York were 100 drums and 20 cases.

riexamethylene—Imported in steady demand at 65c@67c lb. spot, and domestic 75c@77c lb.

Iodine—U.S.P. tincture higher at \$4.20@\$4.30 gal. spot.

Menthol—Spot quiet at \$12.75@\$13.00 lb. with Jan.-March shipment named at \$8.75 lb. c.i.f. New York. Some of the importers say that the statistical position of menthol is much lower, since the same position last year was quoted at \$6.00 lb. c.i.f., compared with the .75 lb. price. They also state that the lower figure was quoted last year in spite of the confirmed cables on the crop shortage. Domestic makers will probably make some menthol to supply those customers who say that they prefer the American made menthol to the Japanese.

Mercury—Spot market quoted easy at \$71.00@\$71.50 flask with London naming £11 10s 6d per flask. One New York importer thinks that the market will go lower before advancing, and that the market will then react upward, and then go still lower. Last week saw 290 bottles entered at New York, but reports are that this supply is mostly disposed of already.

Podophyllin—Resale quarters have dropped their prices and now quote \$4.90@\$5.00 spot, and makers, \$5.20@\$5.40 lb.

Potassium Permanganate—Market is dull with domestic named at 12 $\frac{3}{4}$ c@13c lb. works as to quantity, and 13c@13 $\frac{1}{2}$ c lb. for imported material.

Saccharin—U.S.P. goods in active demand at \$1.90@\$2.10 lb. spot as to quantity.

Strychnine—Makers advanced price sharply owing to advancing manufacturing costs and now quote 81c oz. for alkaloid; 74c oz. for granular; and 71c oz. for powdered material.

USE ACETYLENE GAS AS ANESTHETIC

"Narcylan" is the name of a new anesthetic discovered by Prof. C. J. Gauss, of Wurzburg, Germany, and Dr. H. Wieland, of Koenigsberg, according to a wireless message to the "Philadelphia Public Ledger." It is a mixture of acetylene gas of the utmost purity, with sufficient oxygen to enable the patient to breathe. "Narcylan" is said to be free from detrimental effects caused by ether and chloroform, and its application is not restricted in respect to time.

During a recent operation, in which "narcylan" was used, a record of three and a half hours' anesthesia was established. Breathed in light doses, it cuts off the spinal column's sensibility, leaving the brain awake. Heavier doses bring an unconsciousness not physiologically different from natural sleep. The doctors report that 1,000 experiments with animals and human beings show acetylene may be used safely for patients who have heart disease or lung disease, or who are anemic and incapable of enduring ether or chloroform.

The Bandoeng Quinine Factory, Java, has been called upon to pay florins 599,000 arrears in taxes for the year 1919, along with a penalty of 100 per cent of this amount. Last year's balance sheet closed at florins 735,000, according to reports. No dividend was paid during the fiscal year. An application to the Board of Appeal in Batavia has resulted in the cancellation of the 100 per cent penalty.

GERMANS BUYING ACTIVELY IN LONDON

Marked Improvement Noted in Crude Drugs and Fine Chemicals—American Peppermint Oil, Cloves, Oil of Cloves, Cocoa Butter, Sandalwood Oil, Almond Oil and Linseed Oil Higher—Arsenic and Soya Bean Oil Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Oct. 22.—A marked improvement appears this week in the markets for crude drugs and fine chemicals. Germany is buying spices, almonds and oil almond. Prices have advanced on American peppermint oil, cloves, oil of cloves, cocoa butter, sandalwood oil, almond oil and linseed oil.

The market is firmer for oil eucalyptus, Japanese mint oil and permanganate of potash.

Salicylic acid, Japanese camphor, and balsam tolu are easier.

Arsenic and soya bean oil are lower.

London, Oct. 11 (By Mail)—Business in drugs and chemicals has been quite satisfactory, although the demand in general still leaves something to be desired and there is a tendency on the part of sellers to be accommodating. In oil of lemon still higher prices are coming over from Sicily. Spot quotations vary from 2s 11d to 3s 2d per lb., which latter price is now asked c.i.f. present shipment.

Peppermint oil, American—There is an easier tendency in sympathy with lower cabled prices from the United States. Buyers are holding aloof until something more definite is ascertainable as to Michigan stocks, there being doubt as to whether the recent advance can be maintained. A retail business is passing at 27s 6d per lb., while in one quarter that price is asked for supplies now afloat.

Japanese mint oil is fairly steady, with sales at 17s per lb. on spot. Present shipment 14s 6d per lb. c.i.f.

Senega is arriving freely and 2s 9d per lb. is asked on spot and 2s 8d per lb. c.i.f.

Cascara sagrada is firming up in sympathy with higher offers from the United States. New crop is fetching 85s per cwt. and 2 year old is quoted at 110s per cwt.

Shellac—Deliveries again have been well in excess of arrivals and sellers are firm in keeping with the Calcutta market. T. N. Orange closes higher at 325s per cwt. on spot.

Codliver oil still shows signs of improvement and offers have been received up to 115s per barrel, while it is still possible to buy in one quarter at 108s. The market for refined medicinal quality is firmer from the fact that fairly large quantities of unrefined oil have recently passed into consumption for technical purposes.

Sugar of milk is exceedingly firm and it is anticipated that future supplies will not be obtainable long under 85s per cwt. c.i.f.

Carbolic acid crystals 39°/40° is quoted 6d per lb. in quantity, being easier.

Pyridine is quiet and lower at 19s per cwt.

Chloral hydrate is on the easy side and tannic acid and chloride of barium are lower, the last named being offered cheaply from the Continent at £13 per ton.

Alex. H. Pickering, president of Alex. H. Pickering & Co., London, is on a month's visit to this country. While in New York Mr. Pickering will make his headquarters at Alex. H. Pickering & Co.'s office.

William Neuberger, New York, importer of citric and tartaric acids, has returned to his office after having been confined to his home for two weeks owing to a serious infection in his leg.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1263

DANDELION ROOT CUT SHARPLY ON SPOT

Quoted at 28c Pound, Against 40c Pound Last Week—
Agar Agar Advances—Roman Chamomiles Lower—
Insect Powder Easier—Ergot Higher—Musk Root
Scarce—Mexican Sarsaparilla Firmer—Lycopodium
Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Agar Agar, No. 1, 5c lb.	Henbane Leaves, U.S.P., 2c lb.
Balsams, Copaiba, S.A., 3c lb.	Lycopodium, 1c lb.
Candelilla Wax, 2c lb.	Mandrake Root, 1c lb.
Cloves, Zanzibar, 1½c lb.	Musk Root, 40c lb.
Damiana Leaves, 1c lb.	Sarsaparilla Root, Mexican, 2c lb.
Ergot, 1c lb.	
Declined	
Anise Seed, Spanish, ¼c lb.	Deer Tongue Leaves, ½c lb.
Chamomile Flowers, Roman, 5c lb.	Helonias Root, 3c lb.
Dandelion Root, 10c lb.	Insect Powder, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$.35	\$.30	\$.39	\$.50	\$.90	\$.42
Buchu Leaves, Short	.76	.76	.76	.89	4.00	.85
Cantharides, Russian	.80	.80	.90	1.75	9.00	2.10
Cocculus Indicus	.03	.03	.03	.03½	.85	.03
Ergot, Spanish	.32	.31	.31	.35	4.50	.54
Insect Powder, pure	.45	.46	.46	.62	1.00	.23
Ipecac, Cartagena, Powd.	2.40	2.40	2.75	2.10	4.50	1.35
Nux Vomica	.05	.05	.05	.06½	14½	.07
Opium gum	12.00	12.00	12.60	8.00	30.00	5.00
Rhubarb Root, H. D.	.35	.35	.35	.38	1.75	.15
Tragacanth, No. 1, ribbon	1.15	1.15	1.16	1.45	6.00	1.50
Wild Cherry Bk., thin nat.	.08½	.08½	.08½	.11	.21	.07
Average	1.56	1.56	1.62	1.36	5.28	1.60

While spot business in crude drugs has been on the increase during the week, forward delivery has not shown any improvement. Manufacturers are not anticipating their requirements, although now is the time when buyers usually come into the market for Winter needs. The reduction of spot supplies has caused a number of advances, and with higher replacement costs in these items, a bullish market appears in the offing. Practically all sources of supply are firm owing to the increasing competition among first hands due to the better conditions in Europe, where stocks have been materially depleted for some time. Mexican sarsaparilla root has advanced on higher import costs, and now first hands are inside at 20c per pound. Insect powder has eased off owing to small demand and tendency to keener competition among sellers in Japan. Reports have been heard that cascara sagrada sales have been made on spot as low as 12½c pound. The market for this item is now somewhat firmer.

Aconite Root—Spot sellers name 35c@37c lb. as to quantity, and leaves 10c@12c lb.

Agar Agar—Has advanced and now quoted at \$1.60@1.65 lb. spot for No. 1 quality, and \$1.40 lb. for No. 3 owing to higher replacement costs as well as active demand on spot. Stocks are becoming somewhat reduced. Last week saw 10 bales imported at New York.

Aletris Root—In small demand at 43c@44c lb. spot as to quantity.

Aloes—Curacao steady at 10c@10½c lb. spot as to quantity with replacements about equal to these figures. Imports last week at New York were 350 cases. Cape also firm at 9c@9½c lb. spot. Exports from Union of South Africa during May were 105,487 pounds, valued at £880, compared with 38,065 pounds, valued at £206, for a like period in 1923.

DRUG AND FINE CHEMICAL SECTION

Anise Seed—Spanish has declined and now quoted on spot at 14¼c@14¾c lb. as to quantity, although some houses still adhere to 14½c lb. as the inside figure. Star, 11c@11½c lb.

Arabic Gum—Amber sorts in steady demand at 11½c@12c lb. spot as to quantity.

Asafetida—Market is firm with holders naming 22c@24c lb. spot for whole, and 36c@40c lb. for powdered material.

Balsams—Copaiba, South America, has advanced and now quoted at 40c@42c lb. spot as to quantity. Para named at 29c@31c lb. Little interest shown in either Canadian or Oregon firs. Quoted at \$10.25@11.25 and 90c@\$1.00 gal., respectively. For other balsams see "The Essential Oil Market."

Benzoin Gum—Sumatra lower at 22c@23c lb. spot.

Buchu Leaves—Market is dull with holders naming 76c@78c lb. spot in bales, and 81c@83c lb. for less. London is quoting 2s 11d per pound for good green round. Exports from Union of South Africa during May were 24,384 pounds, valued at £2,916, compared with 15,442 pounds, valued at £1,919, or a like period in 1923.

Candelilla Wax—In active demand and higher at 25c@26c spot.

Cannabis—Stocks of "Vhang" are offered at \$4.00 lb. spot. American, 40c@45c lb. for no assay, and 70c@85c lb. for U.S.P. goods.

Caraway Seed—Dutch named at 10c@10½c lb. spot with future delivery tending higher. African, 9½c@10c lb.

Cardamom Seed—Market strong and active at \$1.75@2.00 lb. spot for bleached, and \$1.70@1.85 lb. for de-corticated material.

Cascara Sagrada—This year's peel is steady at 14c@15c lb. spot as to quantity. The market has been somewhat weaker, sales having been made as low as 12½c lb. on spot. Old bark ranges from 18c up to 23c lb. spot as to age.

Celery Seed—Firm and active at 31½c@32c lb. spot.

Chamomile Flowers—Roman quoted lower at 35c@37c lb. spot as to quantity owing to easier import costs. Crop this year is reported much larger than last. Hungarian, 7c@7½c lb.

Cinchona Bark—Broken in active demand at 24c@25c lb. spot, and quills 48c@50c lb.

Cloves—Zanzibar sharply higher at 29c@30c lb. spot as to seller and quantity. Supplies in the New York market are becoming reduced, and shipment prices are also advancing.

Damiana Leaves—Market stronger at 14c@15c lb. spot as to quantity. Demand active.

Dandelion Root—Has declined sharply and now quoted at 28c@32c lb. spot as to quantity and seller. Some houses, however, are asking much higher prices. Import cost said to be 23c lb. c.i.f. New York.

Deer Tongue Leaves—Has eased off and now quoted at 8½c@9c lb. spot.

Elm Bark—Spot supplies are scarce and closely held at 26c@27c lb. spot for select material, and 23c@25c lb. for powdered.

Ergot—Has advanced to 32c@33c lb. spot on active buying and higher replacements.

Penugreek Seed—New arrivals quoted at 6c@6½c lb. spot as to quality and quantity. Imports last week at New York were 703 bags.

Golden Seal Root—In small demand at the moment at \$3.70@\$3.80 lb. spot for whole, and \$3.90@\$4.00 lb. for powdered material. Export demand, which has been active for some time past, has eased off.

Helonias Root—Lower at 67c@68c lb. spot.

Henbane Leaves—Higher at 29c@30c lb. spot as to quantity.

Insect Powder—Has eased off further and now quoted at 45c@47c lb. with shipment named at 33c lb. c.i.f. New York and up. Last week saw 25 bales entered at New York.

Japan Wax—Market easy at 16½c@17c lb. spot.

Lycopodium—Market much firmer at 35c@36c lb. spot as to seller and quantity.

Mandrake Root—Spot has firmed up somewhat at 12c@13c lb. spot.

Musk Root—Quoted higher at \$2.50@\$2.75 lb. spot as to quantity owing to scarcity. Reports state that only one spot holder exists.

Rhubarb Root—Firm and active at 35c@37c lb. spot for whole, and 40c@42c lb. for powdered material.

Sarsaparilla Root—Mexican sharply higher at 20c@22c lb. spot as to quantity. Supplies in this market are tending scarce and furthermore are closely held. Honduras, 58c@60c lb., and quiet thereat.

Senega Root—Quoted spot at 57½c@58½c lb. Export demand active last week.

Senna—The pod market is still quoted at 15c@17c lb., although on a large quantity order, these prices might be broken through.

Spikenard Root—Competition keen among holders at 23c@24c lb. spot as to quantity.

Turmeric Root—Madras in steady demand at 12¼c@13c lb., and Aleppy 10¾c@11c lb.

Turpentine—Venice true in active demand at 15c@16c lb. spot, and artificial 11c@13c lb.

Valerian Root—Slight firmer at 10c@10½c lb. spot. Import costs have advanced.

Wild Cherry Barks—All grades easy with thin green rossed quoted at 12c@13c lb. spot, and thin natural 8½c@9½c lb.

Worm Seed—Levant quoted firm at \$2.75@\$4.00 lb. as to test and seller.

The drug and chemical section of the New York Board of Trade and Transportation at its October luncheon meeting decided to submit to its members a questionnaire on whether or not they approve the efforts being made by the United States through its representatives in the narcotic committee of the League of Nations to obtain world-wide limitation of the production of raw opium and coca leaves to the amount necessary for medicinal and scientific purposes. The questionnaire was mailed to the members on Oct. 14 by William F. McConnell, secretary of the section.

The Druachem Club, New York, will hold its fourth annual frolic and banquet at the Waldorf-Astoria on Wednesday, Nov. 17. B. M. Spencer, of B. M. Spencer & Co., and B. J. Gogarty, of S. B. Penick & Co., are in charge of arrangements. It is understood that each member will be restricted to two guests this year, although the committee has made arrangements for larger quarters than last year's frolic at the Hotel Brevoort.

H. B. FRENCH DIES SUDDENLY

(Special to DRUG & CHEMICAL MARKETS)

Philadelphia, Oct. 22.—Howard Barclay French, former president of the Chamber of Commerce, prominent manufacturer and for many years a leader in civic and business affairs, died suddenly at his summer home in Radnor on Oct. 17. Mr. French, who was in his seventy-seventh year, had been suffering from a strained heart resulting from an automobile accident last May.

He was born in Salem, O., September 3, 1848, and came to this city in his early childhood. Mr. French was born of wealthy parents, and when, filled with ambition to make his own way, he applied for a position with a druggist, having matriculated in the Philadelphia College of Pharmacy, he met with his first rebuff.

"You are a rich man's son and there is not much chance of your making good."

Three times when he applied for a position that was the reply he received. He obtained a diploma in pharmacy in 1871, and went into business with his father, a member of the firm of French, Richards & Co., wholesale druggists and paint manufacturers, which was established in 1844. Thirty years later he became president of the Philadelphia College of Pharmacy. He was president of the National Paint, Oil and Varnish Association, Philadelphia Paint Manufacturers' Club, and Paint Trade Mutual Fire Insurance Co., at various times.

MAKES RULING ON WHISKEY STOCKS

James E. Jones, acting prohibition commissioner, has ruled that stocks of whiskey carried over by wholesale druggists from one quarter to another are not deductible from the allotment of the succeeding quarter, excepting for the last quarter of the year, although at no time may the amount of whiskey on hand exceed the amount allowable under the bond. Mr. Jones' interpretation of the law follows:

"In accordance with the provisions of section 1252 of regulations 60, revised, a wholesale druggist who, subject to the 10 per cent rule, procures his allotment of whiskey in quarterly periods, may carry the same over into successive quarters within the permit year without reducing the allotment for such succeeding quarter, but he shall at no time exceed the quantity allowable under his bond, and it is, of course, understood that this rule of accumulation does not apply to the first quarter of a new permit year."

BURR TO ADDRESS CHEMICAL SALESMEN

The Salesmen's Association of the American Chemical Industry will hold its monthly meeting and dinner at the Druachem Club, 15 John st., New York, on Tuesday evening, Oct. 28, at 6.30 P.M. George L. Burr, president of the Guaranty Trust Co., will be the guest of honor and will talk to the salesmen on "The Cash Value of an Order."

The annual election of officers of the Druachem Club, New York, will be held at a luncheon meeting on Nov. 6 at the club quarters, 15 John st. Selection of 1925 officers will be made by mail ballot prior to this time, and the results will be announced at the annual meeting.

The suit brought by McKesson & Robbins in the Court of Custom Appeals at Washington for a reappraisal of the price of homatropine hydrobromide has been dismissed upon stipulation.

Robert A. Hevenor, of Fuller-Morrisson Co., Chicago, wholesale druggists, was in New York last week on a short visit.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1277, Aromatic Chemicals, page 1250

OIL LEMON HIGHER ON REDUCED STOCKS

Some Houses Inside at 88c lb. Spot—Oil Almond, Sweet, Sharply Higher—Oil Cassia, Redistilled, Scarce—Oil Limes, Distilled, Lower—Oil Cedar Wood Firm and Active—Coumarin and Vanillin Active

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Almond, Sweet, 15c lb.	Oil Cloves, 5c lb.
Oil Cassia, Redistilled, 10c lb.	Oil Lemon, Italian, 2c lb.
Oil Cedar Wood, 2c lb.	Oil Lemongrass, 10c lb.
Declined	
Oil Geranium, Algerian, 50c lb.	Oil Limes, Distilled, 5c lb.
Bourbon, 25c lb.	Oil Wormseed, 25c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.40	\$3.35	\$3.40	\$2.75	\$7.00	\$5.60
Oil Citronella, Ceylon .....	.73	.73	.75	.85	.02	.60
Oil Cloves	1.90	1.86	1.95	2.25	3.70	1.40
Oil Lemon, Italian .....	.88	.86	.82	.70	1.70	2.00
Oil Peppermint, Nat.	5.75	5.75	6.00	3.05	9.00	2.25
Oil Sandalwood, E. I.	6.15	6.15	6.15	7.25	13.00	5.25
Oil Sassafras Artif. ....	.35	.35	.35	.38	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cans. ....	.47	.47	.47	.47	1.00	.50
Vanillin .....	.49 1/4	.49 1/4	.49 1/4	.40	.95	.20
Average	2.25	2.24	2.28	2.20	6.83	2.05

Although several advances have occurred during the week in the essential oil market, buying has declined, placing importers in a difficult position in regard to replacements. Spot values have advanced on scarcity in a number of instances, showing the general low state of spot stocks. With the season for soap makers now at hand, the future in the essential oil market is not encouraging for the consumer. The spot market has been cleaned out of oil bois de rose and little oil cassia remains in dealers hands. The position in oil cedar wood changed over night last week. Sellers were anxious to sell on Wednesday of last week at 62c per pound, but on Thursday they were inside at 70c per pound in drums. No business was put through at this figure up to the close of the week, but the market remains firm and little is coming out of the South. Oil cloves is firmer on strength of spice.

Essential Oils

Oil Almond—Sweet has advanced sharply and is now quoted at 55c@60c lb. spot as to quantity and seller owing to higher replacements as well as active demand on spot. Bitter is named unchanged at \$3.15@3.25 lb. spot, and fPA at \$3.25@3.50 lb.

Oil Angelica Root—Sellers name \$32 lb. up to \$36 lb. Demand is small at the moment.

Oil Anise—Quoted on spot at 47 1/2c@49 1/2c lb. as to quantity for technical, and 50c@52c lb. for lead-free material. Prompt shipment is named at 49 1/2c lb. c.i.f. New York. Supplies on spot are ample for present needs.

Oil Bay—In steady demand with sellers naming \$2.20 @ \$2.30 lb. spot.

Oil Bergamot—Coppers quoted firm at \$3.40@3.50 lb. spot with replacements about equal to these figures. Consumers do not appear to be anxious to take on supplies at the moment. Artificial, \$2.20@2.35 lb.

Oil Bois de Rose—Market is now nominal at \$5.00 lb. owing to spot holders having been cleaned out of stocks.

DRUG AND FINE CHEMICAL SECTION

Nothing is enroute, according to a leading authority.

Oil Camphor—Japanese in steady demand at 13 1/2c@14c lb. spot for drums, and 14c@14 1/2c lb. for cases. Last week saw 100 drums entered at New York from Kobe and 25 drums from Shanghai.

Oil Caraway—Spot market is quoted at \$4.00@4.50 lb. spot as to seller and quantity. Prices have been holding steady in view of the large crop of seed.

Oil Cardamom—In small demand at \$28@30 lb. spot.

Oil Cassia—Redistilled higher at \$2.85@3.00 lb. spot with shipment named at \$1.80 lb. c.i.f. New York. Supplies are closely held at high prices. Some cheap material is now afloat, but will not reach this market for another month.

Oil Cedar Leaf—In small demand at 90c@\$1.00 lb. spot.

Oil Cedar Wood—Has advanced again and now quoted at 70c@72c lb. spot, although some business was put through last week at 65c lb. spot. Country is quoting 60c lb. the first of last week, but probably will not do this figure now. Demand for export still active, although exporters are not willing to pay present prevailing quotations.

Oil Cinnamon Leaf—In small demand at \$1.40@1.50 lb. spot.

Oil Citronella—Ceylon is easy on spot at 73c@80c lb. as to seller and quantity. Prompt shipment named at 68c lb. c.i.f. New York, and is firm thereat owing to the advancing exchange rates. Little buying for future delivery has been reported. Java still remains scarce and is nominally quoted at \$1.40 lb. in drums.

Oil Cloves—Has advanced and now quoted at \$1.90@1.95 lb. spot in cans, and \$2.00@2.05 lb. in bottles.

Oil Cubebs—Little activity at \$5.00@5.25 lb. spot.

Oil Eucalyptus—Quoted slightly higher at 57c@59c lb. spot in drums, and 59c@61c lb. in cases as to seller and quantity. Buying has been good, and reports state that a number of consumers are still uncovered.

Oil Geranium—Bourbon has declined and now quoted at \$7.00@8.00 lb. spot, and Algerian at \$7.25@8.00 lb. owing to easier shipment figures. Some of the importers say that shipment prices are still too high.

Oil Lavender—U.S.P. goods firm at \$5.50@6.50 lb. spot as to quality. Spike named at 85c@\$1.25 lb.

Oil Lemon—Italian has advanced and now quoted at 87c@95c lb. spot as to quantity and seller owing to reduction of spot stocks and higher replacement values. American, 75c@80c lb.

Oil Lemongrass—Quoted higher at 85c@\$1.00 lb. spot.

Oil Limes—Distilled has declined and now sellers are offering at \$1.05@1.10 lb. Expressed, \$2.40@2.50 lb.

Oil Mustard—Although supplies are scarce, sellers are naming \$3.00@3.25 lb. spot as to quantity for artificial. Natural, \$14 lb.

Oil Orange—Italian in small demand at \$2.70@2.90 lb. spot, West Indian at \$2.50@2.60 lb. American, \$3.00@3.10 lb.

Oil Peppermint—Country is firm at \$5.50 lb. and up, while spot is named at \$5.75@6.00 lb. for natural, and \$6.25@6.50 lb. for redistilled material.

Oil Spearmint—Firm at \$3.30@3.40 lb. spot.

Oil Wormseed—Quoted lower at \$4.25@\$4.50 lb. spot as to quantity. One house is not meeting the market, and will not sell for less than \$5.50 lb.

Oil Wormwood—In steady demand at \$3.60@\$3.75 lb. spot.

Balsams

Peru—In small demand at the moment at \$1.75@\$1.80 lb. spot.

Tolu—Market has eased off slightly, and is now quoted at \$1.80@\$1.90 lb. spot. Stocks are none too plentiful, but demand is unusually small. London cables report a lower market. Imports last week at New York were 10 cases.

Vanilla Beans

Bourbon—Steady at \$9.00@\$10.00 lb. spot. Reports are heard that this year's crop will be about 20 per cent larger than last year's.

Mexican—Whole named firm at \$11.00@\$12.00 lb. spot, and cuts at \$9.00@\$10.00 lb. The new crop will be larger than last year, according to reports, but the usual pests are destroying the beans.

Tahiti—Quoted nominally at \$7.00@\$7.50 lb.

Aromatic Chemicals

Coumarin—In active demand from consuming channels at \$3.25@\$3.45 lb. spot, and resellers are naming \$3.25@\$3.30 lb.

Methyl Salicylate—Makers report an active demand at 45c@47c lb. spot as to quantity, and resale quarters 44c@45c lb.

Vanillin—Market active with manufacturers naming 49½c@51c oz. spot as to quantity. Resellers name 47c@50c oz., and tending scarce thereat.

Emil Schlienger, senior partner of Bertrand Freres, Grasse, France, arrived on "La France" on Oct. 3. He will remain in this country about three months. Mr. Schlienger and P. R. Dreyer, New York, American agent for the French company, are now on a month's trip through the Middle West, returning about the first of November.

EMERSON DEFENDS DOONE TRANSACTIONS

(Continued from page 1245)

sibly could, but in none of your articles does it appear that we volunteered to render assistance. This company did not have to be served and was not served with any subpoena on two or three different occasions, but nevertheless, the writer appeared at the hearings voluntarily to give information and answer questions that were put to him.

In view of such facts, we must ask that you publish another article to correct the wrong impression that your previous articles may have created among the creditors, and unless you do so, our credit may be injured and we will be compelled to take this matter up with our attorney to bring suit for damages against you.

EMERSON CHEMICAL CORP.

Undated. Rec'd Oct. 20.

H. Bennett.

[A representative—an experienced reporter of the regular staff—of DRUG & CHEMICAL MARKETS was present at the Oct. 9 hearing of the Doone Cosmetic bankruptcy case, and everything reported in the issue of Oct. 15 was strictly in accordance with the facts, in spite of the Emerson Chemical Corp. statement to the contrary. No "false or exaggerated statements" have been published by DRUG & CHEMICAL MARKETS regarding this case, and every statement can and will be proved if the occasion arises.—The Editors.]

IMPORTANT ESSENTIAL OILS HIGH

Lavender, Aspic and Vetivert Scarce and in Demand—Geranium Firm

The last few weeks have been signalized by extremely sharp advances in the price of several of the most important of the essential oils, according to Ungerer & Co. Chief among the items affected is French lavender oil. The prices set at the Digne Fair were unexpectedly and almost unreasonably high but in the face of active demand the market is being steadily bid up. Recent advices report that the end of the rise does not appear to have been reached even though good quality lavender oil is being actively bid for at 280 francs per kilo or higher at the points of production. Supplies of pure oil are extremely limited at any price although, as was the case last year, the market will probably be flooded with offers of badly adulterated oil at substantial concessions.

The advance on oil vetivert, Bourbon, has been even sharper, also on account of shortage of supplies. Prices in the Bourbon Islands advanced 20 per cent in a few weeks, and predictions made some time ago of an eventual figure of 400 francs per kilo have been surpassed. Inasmuch as vetivert is dutiable at 25 per cent the price here seems certain to go much higher. Cables received by Ungerer & Co. in the last few days state that holders are not anxious to sell even at present prices.

The market on geranium has been more quiet. The Bourbon grade has declined moderately in the Bourbon Islands in the face of the approaching crop while the African oil has held firm. No substantial declines are to be expected and with the active foreign demand, which comes into the market whenever the price looks even moderately attractive, there is a possibility of the same sharp rise which has been noted in lavender and vetivert.

Spanish aspic has gone up in sympathy with lavender, and because of a limited production, and prices are 50 per cent higher in Spain, having risen to 17 or 18 pesetas per kilo for good quality oil. Up to the present, the market here has not felt the effect but any active demand will push aspic above \$1 per pound and possibly much higher as large amounts will be used as a substitute for the unobtainable lavender oil.

A resolution passed by the Montreal Chamber of Commerce on Oct. 15 calls upon the Government of Canada to raise the tariff on all non-alcoholic toilet commodities. The resolution declared that these goods give employment to Canadian people, but their production has suffered from dumping of products, particularly from the United States. Importations of toilet preparations last year amounted to \$420,000.

Lum & Lemmermeyer, 549 West Washington boulevard, Chicago, will represent Burton T. Bush, Inc., New York, essential oils and manufacturers of aromatic chemicals, in the Middle West territory. Stocks will be carried in Chicago. Stuart Brothers, Montreal, will cover Canada.

Max Brown of M. Brown & Sons, Bremen, Ind., distillers of oil peppermint, is spending the present week in the New York trade. Mr. Brown is making his headquarters at the office of Charles L. Huisking, Inc., New York sales agents for the company.

Spike, lavender, rosemary, thyme, sage, marjoram, pennyroyal, and geranium are the important essential oil products of Spain. In 1923 121,696 lbs. of lavender oil were imported from Spain to the United States.

Monsanto Chemical Works, St. Louis, has sent a letter to the trade on coumarin, reproducing a picture of the new container.

Drug Consuming Industries

EXPLAINS FLUCTUATIONS IN MERCURY

Mercury will drop to £10 per flask, then advance on active buying, and then drop again to £8 10s per flask by June, providing no labor strikes are encountered in Spain or Italy, and the present rate of exchange is maintained, says Alex H. Pickering, London, who sells about 80 per cent of the production of the Spanish and Italian mines. He adds:

"Buying over the last four months has been about 25 per cent normal, and at the present time no actual shortage exists in the world. About six months ago, a shortage of 25,000 bottles existed, and as late as three months ago, the shortage had been reduced to 8,000 bottles.

"At present a slight accumulation of stocks is apparent, but if demand sets in, the mines will not be able to supply immediately. However, the production is increasing, and with large quantities of ore already prepared for the extraction process, the production is expected to increase so that by June, 1925, 45,000 bottles will have been mined. Last June the Spanish mines had a stock of only 5,000 bottles. Spain is now holding for £13 flask ex-mine, compared with £14 about two months ago. They stated at that time that they would not sell for less than £14 for the balance of the year. Whether or not they will drop from £13 per flask remains to be seen."

Domestic quicksilver production during 1923 was 7,937 flasks (75 pounds), compared with 6,175 flasks

in 1922, according to a report by the United States Geological Survey, which says: "The price declined from \$77 per flask the first of 1923, to \$59.35 per flask the last of the year. However, early in 1924 the price improved materially, resulting in operators increasing their production. The total known deposits of ore in this country are few, and most of them are so small or so low grade that they cannot be operated profitably, if at all, only under unusually favorable conditions."

Powers-Weightman-Rosengarten Co., Philadelphia, has issued to the trade a supplementary price-list, giving advances in acid succinic, thymol, and zinc phosphide; and declines in bismuth metal, oil cloves, potassium ferricyanide, potassium permanganate, sodium stannate, terpin hydrate, and tin oxide.

Cedar wood oil firmed up on large export demand, and now the price is 80c per pound. The last sale made was 70c per pound. One dealer stated that he would not be surprised to see \$1.00 oil before the end of November. Supplies on spot are said not to exceed 500 pounds.

Dandelion root for shipment has dropped to 22c per pound c.i.f. New York, according to a cable received on Tuesday of this week. At this attractive figure, the trade is expecting consumers to come into the market and buy in large volume.

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DRUG AND FINE CHEMICAL SECTION

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LANOLINE

MANUFACTURERS SINCE 1914

THE B & W CO.

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ELIZABETH, N. J.

Importations of alcoholic preparations, including eau de Cologne, perfumed essences and extracts, hair dyes, lotions, and mouth washes, into Sweden are now allowed, according to an edict of the board of control, acting under a provision of the royal order of July, 1918. Consignments of eau de Cologne and hair lotions, however, must be accompanied by a declaration by the manufacturer that the product has been denatured by the addition of 0.3 gm. of colocynth per 1,000 c.c. The other products mentioned must also be denatured.

The spice market continues active with many advances due to the general scarcity here and the increased trade needs, according to John Clarke & Co., New York, who say: "Buying of Europe in primary markets has now overset all expectations and bids fair to achieve a fair amount of continuity and volume. And as to scarcity in this market, there is no longer any question of the menace of it; nor is this or any market report any longer a collection of predictions."

Free buying of European glycerin, both crude and refined, which has taken place during the last six months, is no doubt responsible for the reaction in the spot price, according to Parsons & Petit, New York, who say: "It would be well for sellers here to watch the foreign market carefully and not seek to obtain higher figures than those asked on the other side. During the past week a sale of dynamite was made in the Middle West at 18c pound."

Rochelle salt, U.S.P., has been reduced by domestic makers, and is now quoted at 20c per pound for either crystal or powdered material, owing to lower costs of raw materials. Seidlitz mixture is also lower at 16¼c pound in barrels.


NATIONAL BISCUIT DISCOUNTS UPHELD

The right of manufacturers to market their goods when and where they see fit, allowing discounts in any manner they may choose so long as these methods are not used in restraint of trade or with the view of creating a monopoly, was again upheld in the Supreme Court of the United States in the case of Federal Trade Commission against National Biscuit Co.

The Federal Trade Commission claimed discrimination since National Biscuit Co. allowed the chain store companies to base their claims for quantity discounts on the aggregate purchases made by all the stores, the amount of discount running up to fifteen per cent, which is the amount granted to practically all chain systems. On the other hand the dealer owning one store in most cases obtains no discount at all and cannot very well compete with the chain store. Furthermore the independent owners are not able to secure these discounts by co-operative buying.

The decision gives the producer the right to choose his customers, barring those who are not desirable. The ruling applies to drug manufacturers and others who have adopted similar discount methods.

The Board of U. S. General Appraisers gave a decision this week in favor of the P. and P. Chemical Co. sustaining a protest on tubes of barachol, contained in outside cases not marked with the country of origin. The tubes themselves were marked, but the appraiser reported the merchandise as not legally marked because the outside cases were not stamped, and an additional duty of 10 per cent was levied and collected.



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Hanover 3224-3225 Cables: Hoskwil



Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls...	.26	.28
100 lb keg...	.27	.30
USP 200 lb bbls...	.32	.36
Second Hands...	.34	.35
Acetic Anhydride...	...	...
85-89%, 107 lb chys...	...	.40
90-95%, 100 lb chys...	...	.43
C.P. 100 lb chys...	...	.80
Acetone, CP 700 lb dra c/l wks...	.16	.17
700 lb dra. 1c/l wks...	.16 1/2	.18
350 lb dra. 1c/l wks...	.16 1/2	.18
Second Hands, spot...	.16 1/2	.17 1/2
Acetone, 100 gal drums...	...	.35
Acetone Oils, light, dra. wks...	1.40	1.45
Heavy, dra. wks...	1.40	1.45
Acetylacetone, 150 lb bbls...	1.85	1.90
Acetyl Chloride, 100 lb chys...	.40	.41
ACID, 1, 2, 4, 350 lb bbls...	...	1.30
Acetic, 25%, 400 lb bbls, c/l wks...	...	3.12
28%, 1c/l wks...	...	3.37
56%, c/l wks...	...	5.85
56%, 1c/l wks...	...	6.10
70%, bbls, c/l wks...	...	7.48
70%, 1c/l wks...	...	7.48
80% coml. bbls, c/l wks...	...	8.19
80% coml. 1c/l wks...	...	8.44
80% pure bbls, c/l wks...	...	9.98
80% pure 1c/l wks...	...	10.23
Glacial, bbls, c/l wks...	...	11.01
Glacial, 1c/l wks...	...	11.26
Glacial USP chys. wks...	...	11.76
Acetylmalic, 230 lb bbls...	.75	.85
Second Hands...	.72 1/2	.75
Anthranelic, tech. dra...	...	.94
90-100%, 100 lb bbls...	...	1.00
Benzoic, tech. 100 lb bbls...	...	.75
Tech. ten lbs bbls...	...	.75
USP 100 lb bbls...	.75	.75
Second Hands...	.70	.75
Boric, cry. powd. 250 lb bbls...	...	.69 1/2
Kegs, 100 lb...	.10	.10 1/2
Bromine's 250 lb bbls...	...	1.25
Eucalypti, 60% pure 5 lb bot...	.40	.50
C.P. 10 lb bot...	1.25	1.50
Chloroform, USP, VIII 1 lb bot...	5.90	6.00
Carbolic, USP crys., see also Phenol	...	...
112 lb tin...	.26	.27
25 lb tin...	.28	.29
5 lb tin or bot...	.30	.32
1 lb bot...	.35	.36

PRICES CURRENT SECTION

Acid Carbolis—(continued)		
Liquid USP, 1 lb bot...	.34	.35
Crude, 25% 50 gal bbls...	.33	.35
10%, 50 gal bbls...	.27	.30
Carbonic, see Carbon Dioxide		
Chloracetic...		
mono 100 lb bbls, wks...	...	.25
DI, 150 lb chys wks...	...	1.00
Tri, 425 lb bbls, wks...	...	2.50
Chlorosulfonic, 1500 lb dra...	...	...
wks...	.15	.16
Chromic, USP 200 lb drums...	...	.40
85% Pure, 200 lb drums...	...	.35
Chromotropic, 300 lb bbls...	...	1.35
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans...	...	3.93
CITRIC, USP crys. 230 lb bbls...	...	.46
Powd., USP, 200 lb bbls...	...	.47
Imported, crys. 112 lb kegs...	.45 1/2	.46
Single kegs...	...	.47
Cleves, 350 lb bbls...	1.00	1.10
Cresylic, 95% dark dr. NY...	.63	.65
97-99% pale, dr. NY...	.65	.75
Crude, spot, drums...	.65	.60
Diethylbarbituric, Dom., 25 lb lots...	10.00	12.00
1 lb bot...	3.30	3.40
Imp. 10 lb lot...	.11 1/2	.12
Formic 85% tech. 140 lb chys...	.12	.12 1/2
90%, 80 lb chys. incl...	...	.70
Gallie, USP, 150 lb bbls...	...	1.80
Gamma, 225 lb bbls, wks...	1.85	1.95
Glycerophosphoric, 25% 1 lb b...	.72	.75
H 225 lb bbls wks...	...	.75
Hydriodic, 10% USP 5 lb bot...	...	.75
Hydrobromic, 48% coml. 155 lb...	.35	.40
chys. wks...	...	.40
48% coml. 10 chys. wks...	.45	.46
40% USP 155 lb chys. wks...	.11	.13
10% USP 100 lb chys. wks...	...	.11
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys...	.08	.11
HYDROFLUORIC, 30% 400 lb...	...	.07
wks...	...	.06
30% bbls, c/l wks...	...	.07
30% 100 lb chys. wks...	...	.11
48% single 100 lb chys. wks...	...	.10
48% 10 chys. wks...	...	.14
52% 100 lb chys. wks...	...	.11
52% 10 chys. wks...	...	...

Acid, hydrofluoric—(continued)		
60% 100 lb chys. wks...	...	.14
60% 300 lb dr. wks...	...	.13
White Acid, 100 lb chys. wks...	...	.26
White Acid, 10 chys. wks...	...	.25
Hydrofluosilicic, 35% 450 lb bbls...	...	.12
wks...	...	.35
Hypophosphorous, USP 30% 5 gal. demis...	...	.30
USP, 10% 5 gal. demis...	...	.30
LACTIC, 22% dark 500 lb bbls...	.05	.05 1/2
22% light bbls...	.06	.06 1/2
44% dark, bbls...	.10 1/2	.11
44% light, bbls...	.12 1/2	.13
66% bbls, dark, bbls...	.16 1/2	.17
66% light, bbls...	.26	.26 1/2
USP IX 100 lb chys...	...	.75
USP VIII 100 lb chys...	...	.70
Laurent's, 250 lb bbls...	...	.90
Metanilic, 250 lb bbls...	.60	.65
Mixed, sulfuric-nitric		
Drums, wks...	N Unit	.07 1/2
Drums, wks...	S Unit	.01
Tank cars, wks...	N Unit	.06 1/2
Tank cars, wks...	S Unit	.009
Molybdic, 85% pure 100 lb kegs...	1.35	1.60
100% C.P. 100 lb kegs...	2.00	2.10
Monoammonium F, Delta, 50 lb...	...	2.30
tin...	...	...
MURIATIC, 20° chys. 1c/l wks...	1.60	1.75
Chys. c/l wks...	1.30	1.25
Tank cars, wks...	1.00	1.10
18°, 120 lb chys...	...	...
c/l wks...	1.00	1.10
Tank cars, wks...	net ton	...
22°, 120 lb chys...	...	...
c/l wks...	1.75	2.00
Iron, free 20° chys...	...	...
c/l wks...	100 lb	...
Tank cars, wks...	net ton	...
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthalenic, tech. 250 lb bbls...62
Refined, single bbls...65
Nerite & Wintner's, 250 lb bbls...	1.05	1.10

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Chemicals

ACID, NITRIC, 36° 135B			ACID, Sulfuric			ALCOHOL—(continued)		
lc/l chys. wks.....100B	4.75	5.25	lc/l wks.....100B	1.50	1.75	Isopropyl, crude 50 gal. drs...gal	...	4.50
Chys. c/l wks.....100B	4.50	4.75	Drums. c/l wks.....100B	1.25	1.50	Refined, 90% 50 gal. drs...gal	6.90	5.95
38° lc/l chys. wks.....100B	5.25	5.75	Tank cars. wks.....net ton	17.00	18.00	Ref'd, 99% drs.....gal	8.75	8.89
Chys., c/l wks.....100B	5.00	5.25	Contract cars. wks.....ton	...	...	W-chyl. see Alcohol, Wood	...	...
40° lc/l chys. wks.....100B	5.75	6.00	Oilum, 40% drs lc/l wks.net ton	...	40.00	Propyl, nml. crd. 50 gal. drms.gal	...	4.40
Chys., c/l wks.....100B	5.50	5.75	Oilum, 60% drs., lc/l wks. net	...	...	Refined, 1Cth cans.....B	...	.70
42° lc/l chys., wks.....100B	6.25	6.75	ton	60.00	70.00	Denatured	...	...
Chys., c/l wks.....100B	6.00	6.25	Sulfurous, USP 6% 100B chys. B	.05	.06	No. 1 Complete Denat. 188 Proof	...	...
C. P. chys. single wks.....100B	.13	.16	4% 100B chys.....B	.04	.05	50 gal. bbl. incl.....gal	.65%	.67%
Oxalic, 300B bbls., wks.....B	.09%	.09%	USP, 5 gal. dems.....B	.06	.08	50 gal. drums, extra.....gal	.58%	.60%
Bkls., NY.....B	.09%	.10	Tannic, tech. 300B bbls.....B	.30	.40	No. 1 Special Denat. 190 Proof	...	...
Kegs, 100B NY.....B	.10%	.11	USP, powd 200B bbls.....B	.75	.80	50 gal. bbl. incl.....gal	.64%	.66%
Imp., 500B cans.....B	.09%	.09%	USP, fluffy, 50B bbls.....B	.75	.80	50 gal. drums, extra.....gal	.57%	.59%
Phenylchloroformic, domestic.....B	8.50	9.00	Tartaric, USP cryst 300B bbls. B	...	.29	No. 5 Complete Denat. 188 Proof	...	...
Imported, 5 lbs.....B	7.00	7.35	USP, powd, 300B bbls. B	...	.29	50 gal. bbls. incl.....gal	.63%	.65%
Phosphoric, 50% tech. 100B	...	...	Imp. USP, 240B bbls.....B	.26	.27	50 gal. drums, extra.....gal	.56%	.58%
chys.....B	.09	.10	Pow., 240B bbls.....B	.26	.27	No. 6 Complete Denat. 188 Proof	...	...
USP, Syrupy 85°, 70B.	...	...	Tobias, 250B bbls.....B	.90	.95	50 gal. bbls. incl.....gal	.62%	.64%
demis.....B	.16	.17	Tungstic, 100B kgs.....B	...	1.00	50 gal. drums, extra.....gal	.55%	.57%
Imported.....B	...	...	Valeric, C.P., 10B bot.....B	2.50	2.75	In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.	...	...
Phthalic, see Phthalic Anhydride	...	...	Acortine Alk. cryst 1 oz. vis. oz	...	30.00	Alain, USP, 100B cans.....B	.86	.88
Picramic, 300B bbls.....B	...	.65	Amorphous, 1 oz. vis.....cu	...	20.00	Alpha-Naphthol crude 300B bbls. B	...	.65
Pieric, 450B bbls.....B	...	.50	Adeps Lanse, hydrous 350B bbls. B	.15	.21	Refined.....B	...	.80
Bkls. car lots wks.....B	.20	.25	Anhydrous, 350B bbls.....B	.18	.23	Alpha-Naphthylamine, 350B bbls. B	.35	.37
Pyrogallic, crys. 5B cans.....B	1.25	1.30	Albumen Egg, edible.....B	1.30	1.35	Ton lots, bbls. wks.....B	...	.35
Resulfimed, 5B cans.....B	1.55	1.65	Blood.....B	.45	.50			
Tech. powd., 200B bbls.....B	...	.85	Vegetable.....B	.60	.70			
Salicylic, tech., 125B bbls.....B	.32	.33	Technical, see Dyes Sundries	...	...	
USP, 100B bbls.....B	...	.35	ALCOHOL, USP 190 pt. 50 gal.	4.92	5.01			
Second Hands.....B	.32	.33	bbls.....gal	...	...	
Sulfanilic, 250B bbls.....B	.16	.20	Second Hands, bbls, USP 190	...	...	
SULFURIC, 66° 180B chys.	...	...	pt.....gal	...	...	
lc/l wks.....100B	1.50	1.85	Export, USP, 190 pt.....gal	.55	.85			
Chys., c/l wks.....100B	...	1.35	Cologne Spirit, 50 gal. bbls.gal	5.00	5.10			
1500B Drums, lc/l	...	...	WOOD, see Methanol	...	...	
wks.....100B	...	1.25	Alcohols also lc 50 gal.	...	...	
Drums, c/l wks.....100B	...	1.10	drums extra and returnable.	...	...	
Tank cars, wks.....net ton	...	14.00	Amyl. see Oil Fuel	...	...	
40° 1500B Drums	...	...	Buty. 50 gal. drums, wks.....B	...	.32			
lc/l wks.....100B	.75	1.00	Tank cars, wks.....B	...	.30			
Drums, c/l wks.....100B	.65	.75	Isobutyl, crude 50 gal. drums.gal	...	...	
Tank cars, wks.....net ton	9.00	9.50	Refined, 10 B can.....B	1.10	1.20			
C. P. 175B chys.....100B	.08	.09						

General Chemicals

A MARK OF PLEDGED RESPONSIBILITY



ON PRODUCTS OF STANDARD MERIT

Sulphuric Acid

Acetic Acid	Ammonia Alum	Salt Cake
Epsom Salt	Aluminum Sulphate	Tin Crystals
Hydrochloric Acid	Anhydrous Bisulphite Soda	Sodium Sulphide
Mixed Acids	Copperas Nitrate Iron	Sodium Silicate
Nitric Acid	Hydrofluoric Acid	Sodium Phosphate

GENERAL CHEMICAL COMPANY

40 Rector Street, New York

Baltimore	Chicago	Denver	Philadelphia	Providence
Buffalo	Cleveland	Easton	Pittsburgh	San Francisco

The Nichols Chemical Co., Ltd., Montreal
Cable Address: Lycurgus, N. Y.

Chemicals

ALUM. Ammonia, lump 400 lb bbls.			AMMONIA , anhyd. 100 lb cyl.... lb			AMMONIUM —(Continued)		
Wks.	100 lb	3.15 : 3.75	Water, 26° 800 lb drs. wks.... lb	...	.06%	Persulfate, 112 lb cases.... lb	.35	.40
Imp., 500 lb cases....	100 lb	...	Drs. c/l wks....	...	.06%	Phosphate, dibasic 200 lb bbls. lb	...	.38
Ground, 400 lb bbls. wks. 100 lb		3.30 : 4.00	C.P., chys. ....	...	.14	Tech., powd. 325 lb bbls.... lb	...	.18
Powd. 380 lb bbls. wks. 100 lb		3.45 : 4.25	Imp., 800 lb drs. incl. spot. lb	...	.06%	Phosphate, mono, 325 lb bbls. lb	...	.12%
Chrome 500 lb cks. wks. 100 lb		5.50 : 6.00	26° 100 lb chys. le/l wks. lb	...	.07%	Salicylate, USP 100 lb kegs.... lb	.70	.75
Potash , lump 400 lb bbls.			Chys., c/l wks....	...	.07%	Sulfate, bulk, c/l wks.... 100 lb	2.60	2.65
Wks.	100 lb	3.60 : 3.80	20° 800 lb drs. le/l wks. lb	...	.05%	200 lb single bgs. c/l wks. 100 lb	...	2.75
Bls. c/l wks....	100 lb	3.10	Chys., le/l wks....	...	.06%	200 lb double bgs., f.a.s. 100 lb	...	2.90
Imp. 650 lb cases s.p....	100 lb	2.75 : 3.00	18° 800 lb drs. le/l wks. lb	...	.04%	Sulfocyanide, tech. 100 lb kegs.... lb	.60	.60
Ground 400 lb bbls. wks. 100 lb		3.25 : 3.75	Chys., le/l wks....	...	.05%	CP, 25 lb jars....	.60	.70
Imp. 650 lb cases....	100 lb	2.50 : 2.75	16° 800 lb drs. le/l wks. lb	...	.04%	Amyl Acetate, tech. 50 gal. drs. gal	3.00	3.15
Powd., 380 lb bbls. wks. 100 lb		3.50 : 4.25	Chys., le/l wks....	...	.05%	Refined, 50 gal. drums.... gal	3.00	3.75
Chrome, 700 lb cks wks. 100 lb		5.50 : 6.00	Ammonium Acetate, 100 lb kegs. lb	...	.37	Alcohol, see Fuel oil		
Soda grd. 400 lb bbls. wks. 100 lb		4.00	Benzonate, USP, 1 lb bot.... lb	.90	.95	ANILINE OIL , 900 lb drs.... lb	.16	.17
Bls. c/l wks....	100 lb	3.50	Bifluoride, 300 lb bbls.... lb	.22	.23	Aniline Salt, 200 lb bbls.... lb	.18	.23
Aluminum , metal, c/l NY.... 100 lb		27.00 : 28.00	100 lb kegs ....	.23	.24	Anthracene, 80-85%, 600 lb cases		
Chloride, anhyd. 375 lb drs.... lb		.20 : .22	Bromide, 50 lb boxes ....	.44	.45	Wks. ....	.30	.35
Crystals, 375 lb bbls....		.06%	Imported, 112 lb boxes....	...	...	28-30%, Imp. ....	.02	.02%
30% sol. 120 lb chys....		.03%	Carb., tech. 500 lb cases....	...	.08%	Anthraquinone, sublim. 125 lb bbls. lb	1.00	1.15
Hydrate 96% light 90 lb bbls. lb		.17 : .18	Powd., tech. 385 lb bbls. lb	...	.09	Antimony metal, slabs ton lots. 100 lb	...	.11%
Heavy 62-64%, 220 lb bgs. lb		.06 : .06%	USP, lump, 100 lb kegs....	.12%	.13%	Needle Powd., 100 lb cases.... lb	.08%	.09
400 lb bbls. wks....		.06%	Powd., 100 lb kegs ....	.11%	.12	ANTIMONY CHLORIDE , anhyd 1000 lb		
SULFATE , Iron-free bags c/l			Chloride, Domestic			dra. ....	.35	.45
Wks.	100 lb	2.25 : 2.35	White, 250 lb bbls., c/l....	...	.07%	50 lb crocks ....	.45	.45
Imported, spot	100 lb	2.00 : 2.35	250 lb bbls., le/l wks....	...	.07%	Sol'n, 130 lb carboys 33°....	...	.06
Comm'l., 1/4% iron, bgs. c/l			Imp wh. 250 lb cases spot. lb	...	.06%	Oxide, 500 lb bbls....	...	.10
Wks.	East 100 lb	1.35	Gray 250 lb bbls. wks....	...	.08	Salt, dom. 500 lb bbls....	.34	.35
Cont. bgs. c/l wks. E. 100 lb		1.30 : 1.35	Bbls., c/l wks....	...	.07%	Imp., NY ....	.18	.19
Bags, c/l wks. W.... 100 lb		1.30	Imp. gray 250 lb cases....	...	.07%	Sulfuret, golden 500 lb bbls....	...	.21
Bls., c/l wks. East. 100 lb		1.50	Lump, 500 lb cases spot....	.12%	.13	336 lb kegs ....	...	.19
Bulk, c/l cont. wks. E. 100 lb		...	Ichthyolate, as to brand....	4.85	5.00	Crimson, 500 lb bbls....	...	.38
Amidol , (see Diaminophenol)			Iodide, USP, 25 lb jars....	...	5.20	336 lb kegs ....	...	.38
Amidopyrine, Imp. 10 lb boxes.... lb		4.35 : 4.50	Lactate, 500 lb bbls....	.15	.16	Red, 500 lb bbls....	...	.4*
Domestic, 10 lb boxes		4.60	Nitrate, tech. crys. 225 lb bbls. lb	...	...	336 lb kegs ....	...	.4*
Amiazobenzene, 110 lb kegs.... lb		1.15	Refined Crystals, bbls....	.21	.23	Tartroacetate, 500 lb bbls....	...	.45
			CP gran. 100 lb kegs....	.35	.37	Antipyrine, USP, 100 lb cases.... lb	1.95	2.00
			Oxalate, pure, 100 lb kegs....	.40	.42	Apomorphine Hydrochloride, 1/4 oz. via. oz	...	22.75
						Arecoline Hydrobromide, 1 oz. vial....	6.25	7.32
						Argols, red powd. 350 lb bbls.... lb	.06	.07

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Zinc Oxide

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PRICES CURRENT SECTION

Chemicals

Arsenic, acetat, 220 lb segs....lb	..	.45	Benzidine Base, dry 200 lb bbls. lb	.78	: .80	Bismuth—(Continued)		
Med. 224 lb kegs cases....lb	.15	: .15%	Benzidine Sulfate, paste 350 lb bbls.	.70	: .72	Suboxide, 5 lb lots.....lb	..	: 4.50
White, 220 lb cases to 550 lb bbls., NY.....lb	.06%	: .07	Benzol, see Benzene			Subnitrate, USP, 25 lb jars....lb	..	: 2.70
Asbestos.....ton	16.00	: 18.00	Benzonaphthol, 5 lb boxes....lb	3.50	: 3.60	Second Hands.....lb	..	: 2.60
Aspirin, see Acid acetylsalicylic			Benzoyl Chloride, 500 lb dra....lb	..	: 1.00	Cones, 1 lb. bot.....lb	..	: 3.80
Atropine, alk. USP, 1 oz. vial....oz	5.00	: 5.57	Benzyl Acetate, 100 lb clys....lb	1.55	: 1.75	Subsulfate, USP, 175 bbls....lb	..	: 2.95
Sulfate, 5 oz. cans.....oz	..	: 2.75	Alcohol, 5 lb bot.....lb	1.45	: 1.55	Tannate, 1 lb bot.....lb	..	: 2.62
Single ounce.....oz	..	: 2.92	Benzate, 5 lb bot.....lb	1.60	: 1.75	above on basis 25 lb lots		
BARIUM SINGOXIDE, see Barium dioxide			Medicinal FFC.....lb	1.75	: 2.00	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls.			Chloride, 95% tech. 925 lb dra. lb	..	: .25	Blanc Fixe, dry 400 lb bbls. wks. ton	75.00	: 80.00
wks.....ton	68.00	: 70.00	100 lb clys.....lb	.25	: .30	Imported, bbls.....ton	70.00	: 72.00
Precip., 260 lb bbs., wks.....ton	64.00	: 66.00	Redistil. 160 lb clys.....lb	.40	: .45	Paste, 650 lb bbls.....ton	50.00	: 55.00
Imports, bbls. spot.....ton	55.00	: 60.00	Formate, 1 lb bot.....lb	3.00	: 3.25	BLEACHING POWDER, 700 lb dra.		
Chloride, 800 lb bbls., wks.....ton	75.00	: 80.00	Barberine Hydrochloride, 1 lb bot....lb	..	: 22.50	c/l wks.....100 lb	..	: 1.90
200 lb bbs., wks.....ton	73.50	: 78.50	Sulfate, acid or neut. 1 lb bot....lb	..	: 22.00	Drums lc/l ex-warehouse....100 lb	2.35	: 2.60
Import, bbls., spot.....ton	72.00	: 74.00	BETA-NAPHTHOL, 350 lb bbls. wks. lb	.25	: .26	Contract, c/l wks.....100 lb	1.90	: 2.15
Dioxide, 85% 600 lb dra....lb	..	: .18	Carlots, wks.....lb	..	: .24	Drums, lc/l wks.....100 lb	2.05	: 2.30
Hydrate, 500 lb bbls.....lb	..	: .05	Sublimed.....lb	.65	: .60	Imported, spot.....100 lb	..	: .
Iodide, 5 lb box.....lb	..	: 5.15	Rea-Naphthylamine, tech. 300 lb bbls.	.65	: .67	Blue Ointment, see Mercury		
Nitrate, 700 lb cases.....lb	..	: .10	Sublimed, 200 lb bbls.....lb	..	: 1.35	Moss, see Mercury		
Import cases.....oz	.07%	: .08	Bichloride Mercury, see Mercury Bichloride			Bone Ash, 100 lb kegs.....lb	.06	: .07
Sulfocyanide 400 lb bbls....lb	..	: .35	BISMUTH metal, 150 lb cases....lb	..	: 2.00	Black, 200 lb bbls.....lb	..	: .06
Barytes, floated 350 lb bbls wks ton	23.00	: 26.00	Second Hands.....lb	..	: 2.00	Borax, USP, crys. 400 lb bbls....lb	.05	: .05%
Imported.....ton	22.00	: 33.00	Ammon. Citrate, USP 5 lb bxs. lb	..	: 5.60	Powdered, USP, 300 lb bbls....lb	.05	: .05%
Bay Rum, Porto Rican, genuine			Betanaphtholite, 5 lb bxs....lb	..	: 3.15	Keps, USP, 100-150 lb bbls....lb	.05%	: .05%
Medicated salicyl. acid or tartar emetic			Citrate, USP 5 lb bxs....lb	..	: 2.85	Bordeaux Mixture, 10% pd. bbls. lb	.11%	: .18
45 gal. bbls.....gal	1.05	: 1.15	Nitrate, 25 lb jars.....lb	..	: 1.90	Paste, bbls.....lb	.08	: .70
Medicated quinine sulf. 45 gal. bbls.	1.05	: 1.15	Oxychloride, 25 lb bxs....lb	..	: 3.30	Borneol. 1 lb bot.....lb	..	: 3.50
Domestic synthetic, 50 gal. bbls	.90	: 1.00	Phenolsulfonate, 5 lb cans....lb	..	: 3.00	Bromide, bot in 60 lb cs. wks....lb	..	: .39
St. Thomas			Salicylate, 25 lb bxs....lb	..	: 1.85	Bromobenzene, 600 lb drums....lb	.40	: .42
Medicated salicyl. acid or tartar emetic, 50 gal. bbls....gal	1.10	: 1.30	Subcarbonate, USP, 25 lb bxs....lb	..	: 3.20	Bromoforn, USP 5 lb bot 50 lb cs. lb	..	: 1.65
Benzaldehyde, tech. 945 lb dra.	.70	: .75	X-Ray diag. 1 lb bot.....lb	..	: 3.73	Brucine Sulfate, 100 ozs.....oz	.15	: .25
wks.....lb	1.40	: 1.50	Subgallate, USP, 25 lb bxs....lb	..	: 2.65	Butter of Antimony, see Antimony Chloride		
USP, 40 lb clys.....lb	1.50	: 1.65				CADMIUM, metal 100 lb bxs....lb	.95	: 1.00
FFC, 40 lb clys.....lb	1.50	: 1.65				Bromide, 50 lb cases jars....lb	..	: 1.20
WENZENE, 90% 8000 gal. tanks						Iodide, 10 lb bot.....lb	..	: 4.45
wks.....gal	..	: .23				Sulfide, cs.....lb	1.50	: 1.60
110 gal. dra., wks.....gal	..	: .28						
Pure Tanks, wks.....gal	.25	: .26						
110 gal. dra. wks.....gal	.30	: .31						

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Dyestuffs Department, Sales Division,

WILMINGTON, DELAWARE

8 Thomas St., New York, N. Y.

Chemicals

CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75	CAMPOR, Amer. ref: 250 lb			Chalk, drop 175 lb bbls.....D	...	: .03%
Second Hands.....D	3.40	: 3.45	bbls.....D	...	: .80	Precip. light 250 lb cks.....D	.04%	: .04%
Hydrochloride, 1 lb bot.....D	6.05	: 6.55	2 1/2 lb slabs, 100 lb cs.....D	...	: .81%	Precip. heavy 500 lb cks.....D	.03%	: .04
Sulfate, 1 lb bot.....D	5.40	: 5.90	1 lb cakes, 100 lb cs.....D	...	: .81%	Bulk.....ton	5.00	: 8.00
Citrate, 25 lb cans.....D	2.90	: 3.10	1 cs tab, 1 lb etms.....D	...	: .85%	Precip. English, 7 lb bags.....D	...	: .07%
Hydrobromide, 1 lb bot.....D	4.05	: 4.90	100 lb cs.....D	...	: .85%	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/l			1/2 cs tab, 1 lb etms.....D	...	: .86	Wood, powd. 100 lb bbls.....D	.04	: .05
100 lb.....D	...	: 3.00	100 lb cs.....D	...	: .86	Willow, powd. 100 lb bbls.....D	.06	: .07
Arsenate, 100 lb bbls. c/l wks. D	.05	: none	Jap. ref., 2 1/2 lb slabs 100 lb			China Clay, Dom., crude.....ton	6.00	: 8.00
Bromide, 100 lb cs.....D	...	: .50	cs.....D	.68	: .69	Washed & Ground.....ton	8.00	: 15.00
Carbide, 220 lb dr. c/l wks. D	...	: .04%	1 cs tab, 100 lb cs 1 lb			Imp., Filler Clay.....ton	12.00	: 15.00
Drums, lc/l wks.....D	...	: .05	tins.....D	...	: .80	Coating.....ton	18.00	: 30.00
Carbonate, tech. 100 lb bags			1/2 cs tab, 100 lb cs, 1 lb			Chloral Hydrate, USP 100 lb drs. D	.75	: .80
c/l.....100 lb	1.00	: 1.10	tins.....D	...	: .83	25 lb jars.....D	.83	: .85
USP, precip. 175 lb bbls.....D	...	: .04	Chinese ref. 2 1/2 lb slabs 100 lb			Chinoidin, 140 lb drs.....D	...	: .40
Chloride, solid, 650 lb drs. c/l			cs. D.....D	...	: .58	Chloramine-T, 5 lb bot.....D	1.25	: 2.50
f.a.b. NY.....ton	...	: 24.50	Crude, 100 lb cs.....D	.58	: .60	Chloroform, 5 lb bot.....D	.55	: .75
Imp. shipment.....ton	...	: 19.50	Camphor, Monobrom., 100 lb cs. D	1.75	: 1.85	Chlorhydrin, Ethylene anhyd. 600 lb		
Gran., 350 lb drs. c/l f.a.b.			Caramel, 50 gal. bbls.....gal	...	: .70	dras.....D	.75	: .85
NY.....bot	...	: 30.50	Carbanol, 250 lb bbls.....D	...	: .50	40% soln. 100 lb cys.....D	.35	: .30
Flake 330 lb drs. c/l f.a.b.			Carbon Bisulfide, 500 lb drs., lc/l NY D	...	: .06%	CHLORINE, Liquid 2000 lb cyl		
NY.....ton	...	: 30.50	c/l drums, NY.....D	...	: .06	c/l wks.....D	...	: .04%
Anhyd., 350 lb drs. f.a.b. NY. D	.13	: .20	Carbon Black, 12 1/2 lb bags.....D	.09	: .10	Tank car lots, wks. Contract. D	...	: .04%
Glycophosphate, 250 lb bbls..D	...	: 1.40	Carbon Dioxide, Liquid, 20-25 cyl. D	...	: .06	100 lb cyl. c/l.....D	...	: .05%
Hydrate, (see Lime)			Carbon Tetrachloride, 1400 lb drs.			100 lb cyl. lc/l wks.....D	...	: .07%
Hypophosphite, USP, 25 lb cans D	.60	: .65	NY.....D	.06%	: .06%	100 lb cyl. lc/l ex-warehouse..D	.08	: .09
Iodide, 5 lb bot.....D	...	: 4.40	Drums, c/l NY.....D	...	: .06%	Chlorobenzene, mono. 1000 lb drs.		
Lactate, tech. 500 lb bbls.....D	...	: .13%	700 lb drs. single NY.....D	.07	: .07%	wks.....D	.10	: .11
U.S.F.....D	.50	: .60	Carmin, No. 40 5 lb boxes.....D	4.75	: 4.85	Drs. c/l wks.....D	.08	: .08%
Nitrate, 220 lb bbls, c/l NY. ton	...	: 40.00	Casein, edib., 100 lb keg.....D	...	: .45	Tank car lots wks.....D	...	: .08
Phosphate, tech. 350 lb bbls. D	.09	: .10	Technical, 200 lb bbls.....D	.10%	: .11%	CHLORFORM, USP 50 lb drs..D	...	: .35
Phosphate, precip. tribasic 300			Castoreum, 1 lb boxes.....D	4.00	: 4.50	Second Hands, 650 lb drs..D	.32	: .33
lb bbls, wks.....D	.11	: .14	Castor Oil, USP, 50 gal. bbls..D	...	: .17%	Technical, 650 lb drums.....D	.31	: .32
Phosphate, mono, 325 lb bbls. D	.07	: .08	Cases, 80 lb 2 tins.....D	...	: .18%	Chlorophyll, Oil Sol.....D	2.50	: 2.75
Sulfocarbolate, 100 lb kgs.....D	.55	: .57	Tech. see Fixed Oils			Water Sol.....D	3.75	: 4.00
Calomel, see Mercury			Caustic Potash, see potash, caustic			Chromium Acetate, 20° soln. 400 lb		
			Soda, see soda, caustic			bbls.....D	.07	: .08
			Cellulose Acetate, 100 lb cases..D	1.75	: 2.00	Fluoride, Powd. 400 lb bbls..D	...	: .30
			Cerium Oxalate, USP 100 lb kgs. D	.35	: .38	Solp. 400 lb bbls.....D	...	: .30
						Chrysarbin, USP, 5 lb cans.....D	4.25	: 5.00
						Cinchonidin alk., powd. 100 oz. tins	...	: .60
						Crystal.....cs	...	: .65
						Sulfate, 100 oz. tins.....cs	...	: .40
						Resale, 1,000 oz. lots.....cs	...	: .39

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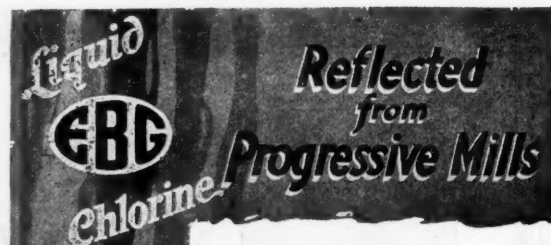
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Cinchonine alk., pwd. 100oz. tinsos38
Crystaloz43
Sulfate, 100 oz. tinsoz25
Ultrine Ointment, see Mercury			
Coal Tar, See Tars			
Cobalt metal, 100 lb kgs.	.....lb	2.50 :	3.00
Cobalt Oxide, 500 lb bbls.	.....lb	...	2.10
10 lb tins, 200 lb cases	.....lb	...	2.45
COCAINE alk., USP, 1 oz. vial.	.....oz	...	10.00
Hydrochloride, USP—1 oz. vials,			
25 ozs.	.....oz	...	7.07
In ½ oz. vials	.....oz	...	7.50
In crystals, granular, powder,			
or flaky crystals as desired.			
Cocoa Butter, bulk, 200 lb halves.	.....lb	24 :	25
Fingers, cakes, etc. 12 lb bxs.	.....lb	.33 :	.35
CODEINE, alk., 1 oz. vis. 10 oz.			
lots	.....oz	...	9.87
Hydrobromide, 1 oz. vis. 10 oz.			
lots	.....oz	...	7.92
Hydrochloride, 1 oz. vis. 10 oz.			
lots	.....oz	...	8.77
Nitrate, 1 oz. vis. 10 oz. lots.	.....oz	...	8.77
Phosphate, 1 oz. vis. 10 oz.			
lots	.....oz	...	7.42
Salicylate, 1 oz. vis. 10 oz.			
lots	.....oz	...	7.42
Sulfate, 1 oz. vis. 10 oz. lots.	.....oz	...	7.92
Small Sizes, ¼ oz. vials, 50c extra.			
¾ oz. 30c extra, singles 7c extra			
per oz.—25 cts lots, 10c cheaper			
than above. Less than 10c. 15c or			
higher than above.			
COD LIVER OIL, Norwegian, 30 gal.			
bbls.	.....bbl	25.50 :	28.50
Newfoundland, 30 gal. bbls.	.....bbl	...	...
Colchicine alk USP 1 oz. vial.	.....oz	...	15.07
Salicylate, 1 oz. vial.	.....oz	...	15.07
Cellodion USP 30 lb drums	.....lb	...	.32
COPPER metal electrolytic c/l			
NY	.....100 lb	13.12 :	13.25
Lake, c/l NY	.....100 lb	13.87 :	13.50
Casting, c/l NY	.....100 lb	...	12.87
Carbonate, 400 lb bbls.	.....lb	.16 :	...
Chloride, 250 lb bbls.	.....lb	...	.28
Cyanide, 100 lb drs.	.....lb	.49 :	.50
Iodic, 5 lb bot.	.....lb	...	5.65
Oxide, red 1600 lb bbls. ton lots	.....lb	16½% :	.17
Sub-Acetate, vend. 440 lb bbs.	.....lb	.23 :	.28
SULFATE, crys. 450 lb bbls. l/c/l			
spot	.....100 lb	4.75 :	4.90
Carlota, bbls. f.o.b.NY100 lb	.....lb	4.60 :	4.65
Carlota, bbls. delivered.100 lb	.....lb	4.75 :	4.80
Imp. 550 lb cans spot...100 lb	.....lb	4.40 :	4.50
Powdered, 350 lb 5 bbls.	.....lb	5.50 :	5.75
Coppers, bulk c/l wis.	.....ton	...	15.00
200 lb bps, c/l wis.	.....ton	...	18.00
400 lb bbls. c/l wis.	.....ton	...	20.00
Powdered, bbls.	.....100 lb	1.90 :	2.00
Sugar, 400 lb bbls.	.....100 lb	1.25 :	1.35
Corn Syrup, 42 deg. 50 gal.			
bbls.	.....100 lb	...	4.26
43 deg. 50 gal. bbls.	.....100 lb	...	4.31
44 deg. 50 gal. bbls.	.....100 lb	...	4.38
45 deg. 50 gal. bbls.	.....100 lb	...	4.45
Corn Sugar, see Glucose			
Cotton Soluble, 100 lb bbls. wet. lb	.....lb	.40 :	.42
Cammarin, 25 lb tins	.....lb	3.25 :	3.45
Second Hands	.....lb	3.35 :	3.30
CREAM TARTAR, USP 300 lb			
bbls.	.....lb	.21% :	.21%
Imp. powd. USP, 224 bbls.	.....lb	20% :	.21
Crecoite, USP, 42 lb chys.	.....lb	...	.45
Carbonate, 1 lb bot. 25 lb.	.....lb	1.70 :	1.80
Crecoite oil, 50 gal. drs.	.....gal	.26 :	.30
Cresol, USP, 400 lb drums.	.....lb	.22 :	.23
Cyanamide, bulk c/l wis. Amm.unit	.....unit	1.90 :	2.00
DIAMINOPHENOL, 100 lb kgs.	.....lb	...	3.80
Dianisidine, 100 lb kgs.	.....lb	4.00 :	4.50
Dichlorobenzene, 1000 lb drs.	.....lb	.08 :	.07
Diethylaniline, 850 lb drs.	.....lb	.58 :	.61
Diethyl Phthalate, 25 lb cans.	.....lb	.40 :	.45
1000 lb drs.	.....lb	.35 :	.40
Diethyl Sulfate tech. 50 gal. drs. lb			
CP drums	.....lb	.40 :	.50
Digitalin, Pure, 1 oz. vial.	.....oz	9.75 :	10.25
Dimethylamine, 840 lb drs. wks. lb	.....lb	.35 :	.36
Dimethylsulfate, 100 lb drs.	.....lb	...	.50
Dinitrobenzene, 400 lb bbls.	.....lb	.16 :	.17
Dinitrochlorobenzene, 400 lb bbls.	.....lb	.18 :	.19
Dinitronaphthalene, 350 lb bbls.	.....lb	.32 :	.34
Dinitrophenol, 350 lb bbls.	.....lb	.32 :	.35
Dinitrotoluene, 300 lb bbls.	.....lb	.19 :	.20
Dioxin, see Morphine, Ethyl			
Diphenylamine, 250 lb bbls.	.....lb	4.8 :	.50
Diphenyguanidine, 170 lb bbls.	.....lb	1.10 :	1.15
Dover's Powder, USP 5 lb tins.	.....lb	2.20 :	2.30
Duboisine Sulfate, 1 oz. vial.	.....oz	...	30.87
EARTH, Diatomaceous, see Kieselguhr			
Kemetic alk, 15 gr. vis.	.....oz	...	1.30
Hydchlide, USP 1 oz. vial.	.....oz	17.00 :	17.50
15 gr. vis.	.....oz	...	.75
EPSOM SALT, tech. 300 lb bbls.			
NY	.....100 lb	...	2.15
Bbls. c/l NY.	.....100 lb	...	2.00
100 lb bbs., c/l NY.	.....100 lb	1.70 :	1.75
Imp., 220 lb bbs. c/l	.....lb	...	...
NY	.....100 lb	...	1.40
USP, 300 lb bbls, 10 bbls. 100 lb	.....lb	...	2.50
Carlota, bbls.	.....100 lb	2.10 :	2.15
Imported, 400 lb bbls. 100 lb	.....lb	1.75 :	2.00
100 lb kgs	.....100 lb	2.00 :	2.25
Ergotin, Bonjean, 1 lb jars.	.....lb	6.00 :	6.35
Eserine alk, 1 oz. vial.	.....oz	...	24.07
Salicylate, USP 1 oz. vial.	.....oz	...	16.07
Sulfate, USP VIII, 1 oz. vial.	.....oz	...	11.07
ETHER, USP 55 lb drums.	.....lb	...	.13
Anaesthesia, 55 lb drums.	.....lb	...	.16
ESP, 1880 55 lb drums.	.....lb	...	.40
Washed, 55 lb drums.	.....lb	...	.32
Motor, 1 lb canslb	.24 :	.27
Ether, Nitrom., 1 lb bot.lb92
Ethyl Benzyl Aniline, 300 lb drs.lb	1.15 :	1.25



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PRICES CURRENT SECTION

Chemicals

Ethyl Acetate, 98%, 50 gal. drs. gal.	1.15	1.18	Gelatin, USP silver bl. 100 lb. cs. lb.	.65	.68	Hydroxystyrene Hydrochloride, USP 15 g		
85% Ester, 100 gal. drs. gal.	..	.95	Gold Label, 100 lb. cases.....lb.	..	..	vials.....vial	..	1.60
Carlots, drums.....gal	..	.92	Technical, 100 lb. cs.....lb.	.50	.55	Hydrobenzene 100 lb. kegs.....lb.	..	..
Tanks Cars.....gal	..	.90	GLAUBER'S SALT, tech. 200 lb. bags,			HYDROGEN PEROXIDE, 25 vol. 400 lb	..	..
Refined, drums.....gal	1.77	1.90	1c/l wks.....100 lb.	1.15	1.25	bbls.....lb.	..	.10
Bromide 115 lb drs.....lb.	..	.40	350 lb bbls. c/l wks.....100 lb.	..	1.25	100 vol. 145 lb chys.....lb.	..	.38
Chloride, 15 lb cyl.....lb.	..	.35	Bbls. 1c/l wks.....100 lb.	1.30	1.65	USP Soln. 375 lb bbls.....lb.	..	.05 1/2
Methyl Ketone, 50 gal. drums lb.	.25	.25 1/2	Imported, bbls., spot.....100 lb.	.85	.90	100 vol. 145 lb chys.....lb.	..	.48
Morphine, see Morphine, Ethyl			USP, 300 lb bbls. Imp. sp. 100 lb.	..	1.25	USP tot. 4 oz. cases.....gross	8.00	8.25
Ethylene Bromide, 600 lb drs.....@	..	.60	USP, 300 lb bbls. dom. sp. 100 lb.	..	1.75	Bot. 8 oz. cases.....gross	11.75	12.00
Glycol.....lb.	.85	1.00	USP, 300 lb bbls. c/l wks. 100 lb.	..	1.40	Bot. 16 oz. cases.....gross	19.75	20.00
Chlorhydrin, anhyd. 50 gal. drs. lb.	.75	.85	Calcined, see Sodium Sulfate			Hydroquinone 100 lb kegs.....lb.	1.40	1.60
40% Solution, 50 gal. bbls. lb.	.25	.30	Glucose, (Grape Sugar) dry, 100			Hyoscine Hydrobrom. USP 1 oz.		
Dichloride, 50 gal. drs.....lb.	.20	.25	70° bags, c/l NY.....100 lb.	4.29	4.54	vial.....oz.	..	9.57
Ethylideneaniline.....lb.	..	.70	Syrup, Drs. & bbls. c/l NY 100 lb.	4.26	4.45	Fire ozs., 1 oz. vials.....oz.	..	9.00
Eucalyptol, 25 lb cans.....lb.	..	.80	1c/l NY.....100 lb.	4.36	4.55	Hyoscyamine Alk. Cryst., 1 oz. vial oz.	..	20.07
Feldspar, bulk.....ton	20.00	25.00	GLUE, pure white, bbls.....lb.	.22	.26	Alkaloid, Amorphous, 1 oz. vial oz.	..	75.07
FERRIC CHLORIDE, tech. crys.			Medium white, bbls.....lb.	.20	.24	Hydrobromide, USP 1 oz. vial oz.	..	25.07
475 lb bbls.....lb.	..	.07	French, bbls.....lb.	.18	.25	Sulfate, 1 oz. vial.....oz.	..	20.07
Imported.....lb.	.06	.06 1/2	High Grade, bbls.....lb.	.35	.40	INDOL, C. P., 1 oz. bot.....oz.	6.00	6.50
USP, crys. 100 lb kegs.....lb.	..	.08	Bone, regular, bbls.....lb.	.10	.12	Iodides, see Potass. Iodide, etc.		
Imported.....lb.	..	.07 1/2	Fish, bbls.....gal	1.50	1.75	IODINE, crude, 200 lb kegs.....lb.	..	3.97
Neut. Sol'n 40° 140 lb chys.....lb.	..	.06	GLYCERIN, C. P. 550 lb drums lb.	.18 1/2	.19	Resublimed, 10 lb jars.....lb.	..	4.75
48° 140 chys.....lb.	..	.08	Syrup, 50 lb.....lb.	.19 1/2	.21 1/2	Tincture, USP, 50 gal. bbls.....gal	4.20	4.30
USP Sol'n 125 lb chys.....lb.	..	.05 1/2	Dynamite, 100 lb drs.....lb.	.18	.18 1/2	Carboys.....lb.	4.35	4.45
Ferrous Chloride, crys. tech.			Saponification, tanks.....lb.	.13 1/2	.13 1/2	Iodoform, powd., 10 lb bot.....lb.	..	5.50
475 lb bbls.....lb.	.06	.06 1/2	Soap, Lye tanks.....lb.	.12	.12 1/2	Crystals, 10 lb bot.....lb.	..	6.50
Ferrous Sulfate, 1000 lb bbls. 100 lb	2.50	3.00	Gua Powder, see chrysarobin			Iridium, metal 100g lots.....oz.	..	260.00
Flake White, see lead, white			Graphite, crude 220 lb bags.....ton	15.00	35.00	Iron, metal by hydrogen 1 lb bot lb.	.80	1.00
Fluor spar, 95% 220 lb bgs. ex-			Flake, 500 lb bbls.....lb.	.05	.09	IRON & AMM. CITRATE, USP 25 lb		
dock.....ton	..	25.00	Ground, lump, bbls.....lb.	.04	.05	cans.....lb.	..	.79
96% bgs.....ton	..	33.50	Gualacol liquid, USP, 25 lb cans lb.	2.35	2.45	Green scales, 25 lb cans.....lb.	..	.79
98% bgs.....ton	..	35.00	Benzoate, 1 lb bot.....lb.	..	18.00	Cacodylate, 10 lb bot.....lb.	6.50	6.75
FORMALDEHYDE, USP 400 lb bbls.			Carbonate, 5 lb boxes.....lb.	4.60	4.75	Citrate, USP VIII 25 lb cans.....lb.	.99	1.01
c/l wks.....lb.	.09 1/2	.09 1/2	Second Hands.....lb.	3.35	3.40	Chloride, see ferric or ferrous		
Carboys, 100 lb 1c/l wks.....lb.	..	.10 1/2	HAARLEM OIL, Dom. 6 gr. cs. gross	3.75	3.00	Hypophosphite, 5 lb cans.....lb.	1.50	1.60
Bbls., 400 lb 1c/l wks.....lb.	.10	.10 1/2	Imported, 5 gr. cases.....gross	4.00	4.25	Syrup, USP VIII.....lb.	..	.30
Second Hands.....lb.	.09	.10	Halazone, 5 lb bot.....lb.	3.75	3.25	Iodide, 1 lb bot.....lb.	..	4.25
Forstl Flour.....lb.	..	.04	Hexamethylenetetramine, USP			Syrup, USP, 5 lb bot.....lb.	..	.36
Formandline.....lb.	..	.50	100 lb drums.....lb.	.75	.77 1/2	Nitrate, kegs.....lb.	.09	.10
Fuller's Earth, 200 lb bgs. c/l			Imported.....lb.	.65	.67	Com'l, bbls.....100 lb	2.75	3.25
mines.....ton	15.00	17.00	Rubber Makers, Impalp. Pd.			Oxalate scales 25 lb cans.....lb.	.85	.88
Imported, 230 lb bags NY.....ton	35.00	40.00	.....lb.	82 1/2	.85	Oxide red, Spanish.....lb.	.03 1/2	.07 1/2
Furfural, 300 lb bbls.....lb.	.25	.30	Homatropine Hydrobrom. USP 1 oz.			& Ammon. Oxalate 25 lb bxs. lb.	.42	.45
Fusel Oil, refined, 50 gal. drs. gal	3.50	3.75	vial.....oz.	..	14.57	& Potassium Oxalate, 25 lb bxs. lb.	.45	.47
Crude, 50 gal. drum.....gal	3.15	3.25	Five ozs., 1 oz. vials.....oz.	..	13.50	& Sodium Oxalate, 25 lb bxs. lb.	.41	.45
G SALT, coarse 350 lb bbls. baste			Hydrochloride, USP, 1 oz. vial oz.	14.00	14.57	Phosphate, USP 25 lb cans.....lb.	.79	.81
100%.....lb.	.60	.65	Sulfate, 1 oz. vial.....oz.	..	14.57	Pyrophosphate, USP 25 lb		
				..	16.07	cans.....lb.	.84	.86

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Chemicals

JALAP resin, lump 5 lb tins...lb	3.25	3.35	Litharge, 5 lb bot	6.25	6.75	Manganese—(continued)		
Powd tin	3.40	3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins...lb	3.95	
Kapoc, 200 lb double bales...lb	.25	.26	Lithium Carb. USP, 100 lb kgs...lb	1.50	1.60	Hypophos. USP VIII 5 lb cans...lb	1.40	
KIESELGUHR, 95 lb bags NY...ton	60.00	70.00	Bromide, 100 lb cs...lb	1.75	1.85	Iodide, 1 lb bot...lb	6.65	
LANOLIN, see Adeps Lanæ			Citrate, USP, 100 lb kgs...lb	1.70	1.75	Ore, bulk, NY...lb	.40	.45
LEAD, metal c/NY	...	8.25	Iodide, 5 lb bot...lb	...	7.50	Sulfate, 600 lb casks NY...lb	...	.08
Acetate white crystals 500 lb			Lithopone, 400 lb bbls, 1c/l wks...lb	...	.06%	Marble Flour, bulk	10.00	12.00
bbls. wks.	.14%	.15%	Bbls. c/l wks...lb	...	.06%	See also Calcium Carbonate		
100 to 250 lb kgs. wks...lb	.15	.16	Bags, c/l wks...lb	...	.05%	MENTHOL, USP, 60 lb cases...lb	...	12.75
White, broken, bbls, wks. 100 lb	13.90	14.90	Imported, 400 lb bbls...lb	...	.06%	Less cases, 5 lb tins...lb	...	13.00
White, gran., bbls, wks. 100 lb	14.15	15.15	Litmus Cubes	.90	1.00	Domestic, USP, 60 lb cases...lb	...	...
White, powd., bbls, wks. 100 lb	15.25	16.25	Luminal, see Phenylethylmalonylurea			MERCURY, metal, 75 lb flasks, flask	71.00	71.50
Kegs, wks.	.15%	.16%	MAGNESITE, crude	...	15.00	Less flasks, 5 lb jugs...lb	...	1.10
Brown, broken, bbls, wks...lb	.13%	.14%	Calcined, 500 lb bbls...ton	...	55.00	Bichloride, cryst. 25 lb bxs...lb	...	1.13
USP, 100 lb kgs	.16	.17	Magnesium mtl, sticks 100 lb cs...lb	1.25	1.30	Gran. powd., 200 lb kgs...lb	...	.98
Arsenate 100 lb bbls, 1c/l wks...lb	.21	.26	Carb. tech. 70 lb bags NY...lb	.08	.08%	Bisulfate, 25 lb boxes...lb	...	.96
Bbls. c/l wks.	.17	.19	75 lb bbls. NY...lb	.09%	.10%	Blue Mass, 25 lb boxes...lb	...	.66
Paste, 100 & 600 lb bbls...lb	.10	.15	USP, 60 lb bbls...lb	.12	.14	Powdered, 25 lb boxes...lb	...	.68
Iodide USP VIII 5 lb bot...lb	3.20	3.40	USP, blocks 100 lb cs. 1, 2, 4	...	.19	Blue Ointment, USP 25 lb cans	...	.36
Nitrate, 500 lb bbls, wks...lb	...	.12	ozs.	...	.23	50% ...	...	.66
Oxide, lithege, 500 lb bbls...lb	...	.10%	Chloride, fused 575 lb dra. c/l	...	34.00	USP, dilute 25 lb cans 30%...lb	...	.66
Oxide red 500 lb bbls, wks...lb	...	.11	wks.	...	36.00	33 1/3% Mercury ...	...	.74
100 lb kgs, wks...lb	...	.15	Flaked, 350 lb dra. wks c/l ton	...	26.00	Calomel, 50 lb bxs...lb	...	1.22
Peroxide, 100 lb drs...lb	.25	.30	Imp., fused 900 lb bbls NY ton	26.00	28.00	Citrine Ointment 25 lb jars...lb	...	.51
White basic carb. 500 lb bbls			Fluocilicate, crystals 400 lb bbls	.12	.15	Iodide, green 25 lb jars...lb	...	4.10
wks.	...	.10	wks.	...	.07	Red, USP 25 lb jars...lb	...	4.20
Bbls. c/l wks.	...	.10	30% soln. 500 lb bbls, wks...lb	.07	.07%	Yellow, USP VIII 25 lb jars...lb	...	4.10
100 lb kgs, wks	...	.14%	Soln. bbls. c/l wks...lb	...	.06	Oxide, Yellow, USP, 25 lb bxs...lb	...	1.68
White, sulfate 500 lb bbls, wks...lb	...	.09%	Glycerophosphate, 5 lb tins...lb	...	3.25	Red Precip. USP, 25 lb bxs...lb	...	1.38
Bbls. c/l wks	...	.09%	Hypophosphite, 5 lb cans...lb	...	1.05	Powder, USP 25 lb bxs...lb	...	1.48
Licorice Ext. Mass, cases...lb	.25	.26	Oxide, USP light 100 lb bbls...lb	...	.42	White Precip. USP 25 lb bxs...lb	...	1.34
Compound powder, bbls...lb	.11	.13	USP, heavy 250 lb bbls...lb	...	.50	Powdered, USP 25 lb bxs...lb	...	1.39
Powdered	.38	.40	Peroxide, 5 lb cans...lb	...	2.40	With chalk, USP 25 lb bxs...lb	...	.68
Sticks, 1 oz. 100 lb cases...lb	.45	.50	Perborate, 1 lb tins...lb	...	2.82	Meta-Nitraniline ...	.70	.80
LINE (Salts see Calcium Salts)			Sulfate, 100 lb kgs...lb	.70	.75	Meta-Nitro-para-Toluidine, 300 lb	...	2.20
Live, 25 lb bbls, ton lots, wks...lb	...	.01%	Sulfate see Epsom Salts			bbls.	...	.90
Single bbl. wks.	...	.01%	Manganese Chloride, 600 lb csk.	.09%	.10	Meta-Toluylenediamine, 300 lb	...	.85
Hydrated, 167 lb bbl, ton lots,	...	.01%	NY	...	.24	bbls.	...	.86
wks.	...	.01%	Borate, 30%, 200 lb bbls...lb	...	.25			
Single bbl. wks	...	.01%	100 lb kgs	...	80.00			
Oyster Shell, 150 lb bbl, single...lb	...	.08%	Dioxide, 80-84% 900 lb bbls	...	85.00			
Sulfur, dry 200 lb dra. NY...lb	...	.08%	NY	...	85.00			
Drs. c/l NY08	85-90%, 900 lb bbls. NY ton	85.00	90.00			
33° Soln. 50 gal. bbls., NY gal	.15	.16	Hydrated, precip. 100 lb kgs...lb	.15	.20			

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95% tanks	gal	.67	NAPHTHA, See Solvent Naphtha			Orzall, USP, 5 lb. bot.... D	2.00	3.00
Drums c/l	gal	.70	NAPHTHALENE, Flake, 175 lb. bbls.			Purified, 5 lb. bot.... D	1.50	2.50
Drums, lc/l	gal	.72	wks			Crude, 5 lb. bot.... D	.80	1.35
97% tanks	gal	.69	Bbls., c/l wks			PALLADIUM, metal 10 oz. lots.... D	75.00	76.00
Drums, c/l	gal	.72	Bbls., second hands NY.... D			Pancratin, USP 5 lb. bot.... D	1.25	1.40
Drums, lc/l	gal	.74	Balls, 250 lb. bbls. wks			Papsin, 10 lb. bot. USP, Powd.... D	2.15	2.25
Pure, Acetone free, tks	gal	.75	Bbls., c/l wks			Crude, 150 lb. cases.... D	1.80	1.85
Drums, c/l	gal	.77	Bbls., second hands NY.... D			Paraffin, ref'd 200 lb. ca. slabs		
Drums, lc/l	gal	.80	Crushed, chipped, bgs., wks			125-127 Deg. M. P.... D	.05%	.06
Bbls. incl. 5c higher			Crude, imp., bags			128-132 Deg. M. P.... D	.05%	.06%
Methyl Acetone, 100 gal. drums gal	.75	.80	Nickel Metal, electrolytic 100 lb			133-137 Deg. M. P.... D	.06%	.07
Tanks, cars	gal	.70	kgs			138-140 Deg. M. P.... D	.07%	.07%
Chloride, 90 lb. cyl.... D		.50	Ingot, 100 lb. kgs			Para-Aminocetanilid, 100 lb		
Salicylate, USP, 50 lb. cases.... D		.47	Salt, single 400 lb. bbls. NY.... D			kgs	1.10	1.15
500 lb. drums		.45	Double, 400 lb. bbls. NY.... D			Para-Aminophenol, 100 lb. kgs.... D	1.16	1.25
Second Hands, cases.... D	.44	.45	Oxide, 100 lb. kgs NY.... D			Hydrochloride, 100 lb. keg.... D	1.35	1.40
Methylene Blue, tech. 100 lb. kgs. D	1.25	1.50	Sulfate, 450 lb. bbls.... D			Para-Dichlorobenzene, 150 lb. bbls.		
USP, medicinal 5 lb. cans.... D	2.00	2.30	Nicotine, Free 40%, 8 lb. tins.... D			wks	.17	.20
Miesler's Ketone, 225 lb. bbls.... D		3.75	Sulfate, 10 lb. tins, 40%.... D			25-50 lb. kgs	.18	.23
Milk, powd. 150 lb. bbls.... D	.14	.15	Nitre Cake, bulk wks			Paraldehyde, 100 gal. drs.... D		.43
Milk Sugar, see sugar of milk			500 lb. bbls.			Paraformaldehyde, USP 100 lb. ca. D	.42%	.45
Mineral Oil, see oil mineral			Nitrobenzene, crude, 1000 lb. drs.			Para-Nitroacetanilid, 300 lb		
Mineral Rubber	ton	35.00	wks			bbls.	.50	.55
Monacetone, 100 gal. drums.... D		.50	Redistilled, 1000 lb. drs. wks. D			PARA-NITROANILINE, 300 lb. bbls.		
Monochlorobenzene, see chlorobenzene			Nitronaphthalene, 550 lb. bbls.... D			wks. ton	.68	.73
Monomethylaniline, 900 lb. drs.... D	.90	1.00	Nitroanisene, mixed 1000 lb. drs.			Para-Nitrochlorobenzene, 1200 lb. drs.		
Monomethyl paraamidophenol sulfate			wks			wks	.30	.30
100 lb. drs.... D	3.95	4.20	Ochre			Para-Nitro-ortho-Toluidine, 300 lb		
MORPHINE Sulfate, USP 5 oz. tins			Oil Fuel, see Fuel Oil			bbls.	2.75	2.85
10 oz. D		7.35	OIL MINERAL, wh. 50 gal. bbls. gal			Para-Nitrophenol, 185 lb. bbls.... D	.55	.60
Acetate, 5 oz. tins 10 oz. lots.... D		7.35	Oil Mirbane, see nitrobenzene			Para-Nitrodimethylaniline, 120 lb		
Hydrobromide, 5 oz. tins 10 oz. lots		7.35	Opium, see crude drugs			bbls.		.95
Hydchloride, 5 oz. tins 10 oz. lots		7.35	Orange Mineral, 800 lb. cases NY.... D			Para-Nitrotoluene, 350 lb. bbls.... D		.42
Ethyl Hydchloride, 1/4 oz. via. 10 oz.		11.45	500 lb. bbls. NY.... D			Para-oxy Benzaldehyde, 100 lb		
Small Sizes: 1/4 oz. vials, 50c extra; 1/2 25c extra; single oz. via., 7c extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins, 10c. or. lower than above schedule. Less than 10 oz. lots 15c. or. higher than above schedule.			Ortho-Aminophenol, 50 lb. kgs.... D			kegs	1.50	1.60
			Ortho-Amididine, 100 lb. drs.... D			Para-Phenetidin, 500 lb. drs.... D	1.55	1.80
			Ortho-Dichlorobenzene, 1000 lb. drs.			Para-Phenylenediamine, 350 lb		
			wks			bbls.	1.30	1.35
			Ortho-Nitrochlorobenzene, 1200 lb			Para-Toluene-Sulfonamide, 175 lb		
			dr. wks			bbls.	.40	.41
			Ortho-Nitrophenol, 350 lb.... D			Para-Toluene-Sulfonchloride, 410 lb		
			Ortho-Nitrotoluene, 1000 lb. drs.			bbls. wks	.18	.30
			wks			Para-Toluidine, 350 lb. bbls. D	.75	.80

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Arsenic Basic, 500 lb kegs....b	.25	.30	Piperidine, 25 cu.....cu	1.10	1.25	Chlorate, crys. 112 lb kgs. e/l	.08	.08%
Kegs, 100 lb's.....b	.32	.33	Pitch, Coal-Tar, wks.....ton	24.00	26.00	Imp. 112 lb kegs, NY....b	.06%	.07
Kila, 50, 25, 14 lb's.....b	.34	.35	Plaster Paris, tech 250 lb bbls.bbl	3.30		Fowd., 112 lb kegs wks....b	.08%	.09
Packages, 5 and 2 lb's.....b	.36	.37	True Dental, 300 bbls....bbl	4.50		Imp., kegs NY.....b	.06%	.08%
Packages, 1 lb, 1/2, 1/4 lb....b	.39	.43	Platinum, metal soft 10 cu. lots..cu	118.00		Gran. Imp. 112 lb kgs NY....b	.10%	.11
Paris White, see whitening, French			Podophyllin, 5 lb bot.....b	5.20	5.40	Pyrotechnic, fine powd. NY....b		.07
Pepsin, USP, 5 lb bot.....b	2.25	2.50	Second Hands.....b	4.90	5.00	USP, fine crys. 110 lb kegs		
PETROLATUM , green 300 lb bbls.b	.02%	.03	POTASH, CAUSTIC , solid 88-92%			NY.....b	.07	.07%
Dark Amber, 300 lb bbls....b	.03%	.04	700 lb drs. wks.....b	.07%	.07%	Citrate, USP 10 lb cans.....b	.63	.66
Light Amber, 300 lb bbls....b	.04%	.05	Imp., 88-92% 700 lb drs. NY....b	.07%	.07%	Cyanide, 110 lb cases.....b	.60	.65
Cream White, USP 300 lb bbls.b	.07	.07%	USP, by alcohol 5 lb cans....b	.46	.48	Glycerophosphate, 75% Soln. 25 lb	1.85	1.50
Lily White, USP, 300 lb bbls.b	.09	.09%	cases.....b	.30	.35	tins.....b		
Snow White, USP, 300 lb bbls.b	.12%	.13	POTASSIUM Acetate , USP, 100 lb	.29	.30	Guaiacon Sulfonate, 5 lb cans	3.00	2.25
Phenol, see also acid carboic			kegs.....b			10 lb.....b	.80	.85
Makers, 900 lb drums, wks....b	.34	.35	Bicarbonate, crys. 320 lb bbls.b	.10%	.10%	Hypophosphite, 10 lb cans....b	3.75	3.80
Small drums, 100-240 lb....b	.35	.37	Richromate, crys. 900 lb casks..b	.08%	.09	Iodide, USP, 100 lb cases.....b	3.80	3.70
Open market, drs.....b			Powd., 900 lb casks wks....b	.12		Second Hands, cases.....b		.90
240 lb des. drs. wks....b			Rinorolate, 300 lb bbls....b	.25	.28	Lactophosphate, 4 cu bot.....cu	.18	.20
Natural, 240 lb des drs. wks..b			Import, 112 lb bbls....b	.18	.20	Metabisulfate, 300 lb bbls....b	.10	.13
Imported, 336 lb des drs....b			Bisulfate, C.P., 5 lb cans....b	.30		Imp., 550 lb bbls....b		
Phenolphthalein , USP, 100 lb drs.b	1.30	1.40	100 lb kegs.....b	.22		Muriate, 80%, 200 lb bags, NY		.61%
5 lb cans, 100 lb lots.....b	1.40	1.50	Bromate, 100 lb cu.....b	.75		K ₂ O unit.....b		
Phenyl-Alpha-Naphthylamine 100 lb			BROMIDE , USP, crys. 450 lb			Nitrate, see Saltpetre		
kegs.....b			bbls.....b	.38		Oxalate, neutral, 100 lb kegs..b	.35	.40
Phenylethylalcohol, 1 lb bot. Dom b	8.00	10.00	Granular, 300 lb bbls....b	.38		Perchlorate, 112 lb kegs.....b	.09%	.10
Imported.....b	7.00	7.75	Cases, 100 lb.....b	.39		PERMANGAN. USP, crys. 500 lb	.12%	.13
Phenylthymoloxylurea, cu. pks..cu		5.50	Imported, USP, 220 lb cu....b	.30	.32	& 100 lb drs.....b	.13	.13%
Phosgene, 100 lb cylinders.....b			CARBONATE , 80-85% calc.	.05%	.05%	Imp. 112 lb drs.....b	.38	.40
Phosphorus Oxidechloride, 175 lb cyl.b	.35	.40	800 lb cks.....b	.05%	.05%	Fuminate, red, 500 lb casks..b	.17%	.18
Phosphorus, red 110 lb cu. wks..b			80-85%, hydrated, 800 lb	.05%	.05%	Fuminate, yellow, 500 lb casks.b	.60	.65
Imported, 112 lb cases.....b	.90	1.00	cks.....b	.05%	.05%	Salicylate, 25 lb cans.....b		.85
Yellow, 110 lb cu. wks.....b	.35	.37%	90-95% calc. casks.....b	.05%	.06	Sulfate, 200 lb bags, NY K ₂ O unit	.15	.18
Imported, 112 lb cases.....b			98-98% calc. casks.....b	.05%	.06	USP, VIII, 100 lb kegs....b		.50
Phosphorus Trichloride, 175 lb cyl.		.45	99% calc. casks.....b	.06%	.07	Sulfocyanide, CP 25 lb jars..b		.51
wks.....b			USP, 100 lb kegs.....b	.12%	.13	Tartrate, neutral, 100 lb kegs.b		.25
Phthalic Anhydride, 100 lb bbls.b	.23	.28	99% CP casks.....b	.12%		Titanium Oxalate 200 lb bbls.b		.30
Pilocarpine Hydrochloride, USP 25 cu.	3.00	3.32						
lots, 1 cu. visals.....cu								
Nitrate, 25 cu.....cu		3.00						
Single cu.....cu		3.32						
Alkaloid, 15 gr. vis.....cu		.85						

Largest producers of Pure Phthalic Anhydride in the world

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99.99+% Pure.

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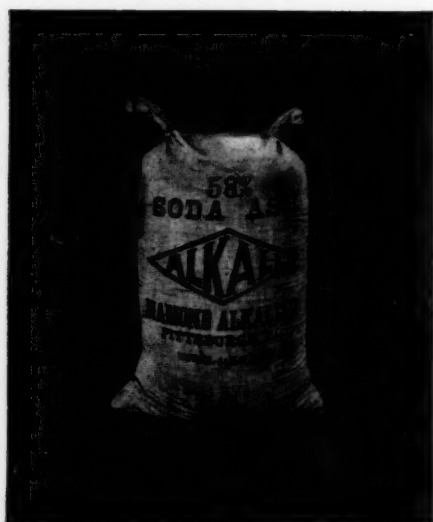
Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY
Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04 1/4	.06	QUININE--(continued)			bantoin USP, 1 lb bot.	145.00	148.00
Lump, bags	.03 1/4	.05	Tartrate	.38		Powd 1 lb bot	148.00	150.00
Powdered, 350 lb bbls. lb	.02 1/4	.03	Valerate	.39		Saponin, ex Quillaia, 5 lb tins. lb	.90	1.10
Pyridine, 50 gal. drums gal	4.25	4.30	Small Sizes: 1 oz vials or cans,			Satir White, 500 lb bbls. lb	.60	.01 1/2
QUICKSILVER, see Mercury			50 oz. lots, 5c on extra; 5 oz cans,			Schaeffer's Salt, 250 lb bbls. wks. lb	.60	.65
Quinidine Alk., 100 oz tins. oz	.75		50 oz lots 3c on extra; 25 oz cans,			Scopolamine, see hyoscyne		
Sulfate, 100 oz tins. oz	.50		50 oz lots, 2c on extra; single 1 oz			Seidlitz Mixture, 22 lb bbls. lb	.17	.18
Quinidine, see Chinoidin			vials or cans, 5c extra. All minor					
QUININE SULFATE, USP,			quinine salts sold and quoted basis					
American, 100 oz tins. oz	.50		100 oz lots in 100 oz cans. Sulfate					
100 tins, 100 oz lots. oz	.57		and bisulfate sold basis 100 oz					
Dutch, 100 oz tins. oz	.50		lots in 100 oz cans. Smaller orders					
Java, 100 oz tins. oz	.50		or containers extra as above					
Japanese, 100 oz tins. oz	.50		schedule					
QUININE SULFATE, USP,			R SALT, 250 lb bbls. wks. lb	.49	.50			
Acetate	.88		Red Lead, see lead oxide					
Arsenate	.88		Red Precipitate, see mercury					
Benzoate	.88		Resorcinol, see resorcinol					
Bisulfate, USP	.50		Resorcinol tech, 100 lb bags. lb	1.35	1.50			
Citrate	.63		USP 25 lb cans. lb	2.25	2.35			
Dihydrate, USP	.66		Rochelle Salt, USP, 225 lb bbls. lb	.21	.22			
Dihydrate	.66		Imp. USP, 300 lb bbls. lb	.21	.20			
Dicarbonate, 100 oz tins. oz	2.50		Rosewater, triple, 5 gal. demis. gal	.90	1.10			
Ethyl Carbonate, 16 oz. tins. oz	.91		Rotten Stone, lump imp., bbls. lb	.07	.08			
Ferrocyanide	.88		Lump selected, bbls. lb	.09	.12			
Formate	.85		Powdered, bbls. lb	.02	.05			
Glycerophosphate	.88		Domestic, bags, mines. ton	24.00	30.00			
Hydride	.88		SACCHARIN, USP, 1 lb cans, 25 lb					
Hydrobromide, USP	.63		Soluble, USP, 1 lb cans, 25 lb. lb	1.90	2.10			
Hydrochloride, USP	.63		Sal Ammoniac, see Ammon. Chloride					
Hydrochlorosulfate	.66		Sallcin, USP, 1 lb cartons, 25 lb. lb	4.75	5.00			
Hydride & Urea, USP	.93		Salol, USP, 100 lb drums. lb	.75	.80			
Hyposphite	.83		Salt Common, see sodium chloride					
Lactate	.78		Salt Cake, c/l f.o.b. wks. ton	18.00	22.00			
Phenylsulfonate	.68		SALTPETRE, Double Refined					
Phosphate	.74		Granular, 400-500 lb bbls.					
Sulphate, USP	.63		c/l wks. lb	.06				
Tannate, USP	.45		Less c/l works. bbls. lb	.06 1/4				
			Large Crystals, 350-400 lb bbls.	.07 1/4				
			c/l wks. lb	.07				
			Small Crystals, 350-400 lb bbls.	.07				
			c/l wks. lb	.07				
			Powdered, bbls. c/l wks. lb	.06 1/4				
			Imported, 500 lb bbls. NY. lb					



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Solvay Tanners Alkali

Solvay Tanners Soda

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Chemicals

SODA CAUSTIC—(Continued)

Pmpt. and spot, Basis 76% c/l wks. 100 lb	...	3.30
Contract 74% low grade c/l wks. sat. 100 lb	...	3.02
Ground & slack, 76% pmpt. and spot, wks. c/l drs. 100 lb	...	3.60
Contract 76% drums c/l wks. sat. 100 lb	...	3.50
USP, stick, 10 lb cans. lb	.19	.21
Pure, stick, by alcohol. lb	.25	.27
SODIUM ACETATE, crys. 450 lb bbls.		
wks. lb	.04%	.05%
Aluminate, 500 lb bbls, wks. lb	.07%	.08
Aluminum Sulfate, see alum. soda		
Arsenite, 4 lb mat. wks. drums. gal	.50	.60
Drums, 8 lb material, wks. gal	1.00	1.20
Benzoate, USP, 100 lb bbls. lb	.62	.65
Bicarbonate, 400 lb bbls. NY. 100 lb	...	2.25
Bbls. c/l wks. 100 lb	...	2.00
112 lb kegs wks. 100 lb	...	2.25
112 lb kegs, NY. 100 lb	...	2.50
Bichromate, 600 lb cans wks. lb	.06%	.07
Cases, c/l wks. lb	.06%	.07
Cases, NY. lb	.06%	.07
Bisulfite dry powder, 500 lb bbls., wks. lb	.04	.04%
Solution, 32-40°, 500 lb bbls. wks. 100 lb	1.25	1.75
Bromate, 100 lb cs. lb	...	1.05
BROMIDE, USP, 450 lb bbls. lb	...	.38
Cases, 50 lb lb	...	.39
Imp. USP, 112 lb cs. lb	.38	.40
Cacodylate, USP, 5 lb. bot. 25 lb. lb	5.50	5.90
Carbonate, sal. soda, 350 lb bbls. lc/l NY. 100 lb	1.30	1.35
Works c/l 100 lb	1.10	1.30
Monohydrate, 400 lb bbl. lc/l NY. 100 lb	...	2.40
Pure photographic, 100 lb kg. lb	.06	.08
Chlorate, 112 lb kegs, wks. lb	...	.06%
Imported, 112 lb kegs. lb	.06%	.06%

SODIUM—(Continued)

Chloride, tech. 200 lb bags. ton	12.00	13.00
C. P., 400 lb bbls. lb	.05	.06
Chromate, 800 lb bbls. lb	...	.06
Citrate, USP, IX, 100 lb kegs. lb	.62	.66
USP, VIII, 100 lb kegs. lb	.55	.59
Cyanide, 96-98%, 100 lb cases wks. lb	...	.22
Ton lots, wks. lb	...	.22
73-76%, 100 lb cases, wks. lb	...	.19%
125-128%, 200 lb cs. lb	.20	.20%
120-125%, 200 lb cs. lb	.17	.18
118-120%, 200 lb cs. lb	.16	.17
Fluoride, 300 lb bbls, wks. lb	.08%	.09%
Imp. 350 lb bbls. lb	...	.08%
Glycerophos. USP, crys. 25 lb cans. lb	1.40	1.60
Powder, 25 lb size lb	1.45	1.60
Solution, USP, 35 lb tins. lb	1.05	1.15
Hydrosulfite, see Soda Caustic		
Hypochlorite, Soln., 100 lb chys. lb	...	.05
14 1/4% soln., 50 lb chys. lb	...	.04
Hydrosulfite, 200 lb bbls. rob. wks. lb	.22	.24
For Stripping, 50 lb cans. lb	.35	.40
Hypophosphite USP 25 lb cans lb. lb	.70	.75
HYPOSULFITE, tech. pea crys.		
375 lb bbls, wks. 100 lb	2.65	3.05
Bbls. c/l wks. 100 lb	...	2.50
100 lb kegs wks. 100 lb	2.75	3.35
Imp. 100 lb	2.65	2.75
Granulated, bbls. wks. 100 lb	2.90	3.30
Bbls. c/l wks. 100 lb	...	2.75
Kegs, wks. 100 lb	3.00	3.60
Regular crystals. 100 lb	2.35	2.65
Iodide, USP, 25 lb jars. lb	4.25	4.80
Metallate, 150 lb bbls. lb	.55	.70
Naphthionate, 300 lb bbls. lb	.59	.62
Nitrate, crude, 95%, 200 lb bags c/l NY. 100 lb	...	2.40
Future NY. 100 lb	2.40	2.45
Double Refined 400 lb bbls gran. c/l wks. lb	...	.04%
Nitrite, 500 lb bbls., wks. lb	...	.09
Bbls. spot, makers. lb	...	...
Imp. 650 lb cases lb	.09%	.09%

SODIUM—(Continued)

Ortho-Chloro-Toluene Sulfo- nate, 175 lb bbls, wks. lb	.25	.27
Oxalate, neutral, 100 lb kegs. lb	...	.30
Perborate, 275 lb bbls. lb	...	.20%
Imp. 225 lb drs. lb	...	.22
Peroxide, 200 lb cases lb	.25	.27
Phosphate, di-sodium, tech 550 lb bbls. lb	.03%	.03%
USP, gran. 275 bbls. lb	.07	.08
Imp. gran. lb	...	.05%
USP, recryst. 275 bbls. lb	.10	.11
Mono-sodium 100 lb kegs. lb	.24	.26
Tri-sodium tech. c/l, bbls. lb	.03%	.04
Picramate, 100 lb kegs. lb	...	.00
Para-Toluene Sulfonate, 175 lb bbls. lb	.08	.09
PRUSSIAN, yellow, 350 lb bbls.		
Imp., 450 lb cks. lb	.09%	.09%
Pyrophosphate, 100 lb kegs. lb	.24	.26
Salicylate, 100 lb kegs. lb	...	.40
Second Hands, USP, kegs. lb	.37	.40
Silicate, 60° 700 lb bbls., f.a.s. NY. 100 lb	...	2.00
Works, 1000 lb drums. 100 lb	...	1.90
Works, tanks 100 lb	...	1.75
40° domestic, 700 lb c/l f.a.s. wks. 100 lb	...	.80
Works, 1000 lb drums. 100 lb	...	.85
Works, tanks 100 lb	...	.75
Spot, drums, bbls. 100 lb	1.05	1.80
Silicofluoride, 450 lb bbls, NY lb	.04	.04%
Sulfate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls, c/l wks. lb	.03%	.04
Imp., 250 lb bbls. lb	.03	.03%
Sulfide, 60% solid, 650 lb drs. lc/l wks. lb	.04	.04%
Dra. c/l wks. lb	.03	.03%
Imp. 700 lb drs. NY. lb	...	.05
60% broken, 650 lb drs. wks. lb	.04%	.05
Imp., 500 lb drs. NY. lb	.03%	.04
30% crys. 440 lb bbls. wks. lb	.02	.02%
Imp., 400 lb bbls. lb	.02%	.02%
Sulfite, crys. 400 lb bbls. wks. lb	.03%	.03%
Anhydrous, 400 lb bbls. lb	.09%	.10



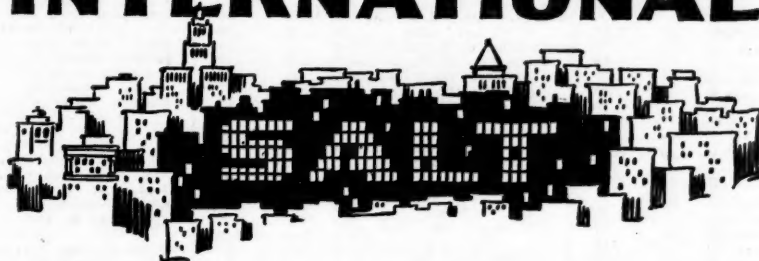
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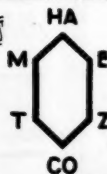
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PRICES CURRENT SECTION

Chemicals

SODIUM—(Continued)			SULFUR, crude bulk, c/1 NY..ton			Thiocarbamid, 170 lb bbls.lb		
Sulfocarbonate, USP, 100 lb kegs lb	.35	.37	Crude, f.o.b. mines	14.00	15.00	Thymol, USP, 25 lb tins.....lb	5.00	5.25
kegs .....	.35	.37	Brimstone, 250 lb bags, c/1 100 lb	1.75	1.95	Iodide, 5 lb boxes	7.25	7.50
Sulfocyanide, 400 lb bbls.....lb	.45	.47	Less c/1 bags NY.....100 lb	1.85	2.10	TIN, Metal Straits, NY.....100 lb	...	51.00
Tungstate, crys 100 lb kegs.....lb	.55	.60	Roll, 500 lb bbls, c/1 NY.100 lb	...	2.15	American standard, NY.....100 lb	...	50.87
Anhydrous, kegs .....	.75		Less c/1 bags NY.....100 lb	2.20	2.45	99% American, NY.....lb	...	50.50
SOLVENT NAPHTHA, 110 gal.			Flour, Heavy, 200 lb bbls, 100 lb	2.50	3.05	Bichloride, 56% soln, 100 lb	...	.13%
drs. wks. ....gal	.29	.30	Light, 100%, 240 lb bbls, 100 lb	2.60	3.15	bbls., wks. ....lb	...	.35
8000 gal. tank cars wks.gal	.24	.25	Rubbermakers 100%.....240 lb	2.50	3.20	Crystals, 500 lb bbls., wks.....lb	...	.35%
Sparteln Sulfate, USP, 250x bulk.os	.30	.40	bbls. NY	100 lb	1.35	Oxide, 400 lb bbls. wks.....lb	...	.52
Single oz. vial .....	.47		Commercial, 99%, 150 lb bgs.	1.35	1.65	100 lb kegs, wks.....lb	...	.54
Starch, rice, 140 lb bags.....lb	.09	.10	For Dusting, 99%, 100 lb	2.00	2.50	Tetrachloride, 1000 lb drs.wks.lb	...	.28
STRONTIUM Bromide, USP, 50 lb			bgs. NY.....100 lb	2.00	2.50	Toluidine, 350 lb bbls.....lb	1.00	1.10
kegs .....	.41	.42	Flowers, 100%.....240 lb bbls.	3.00	3.55	Sulfate, 350 lb bbls.....lb	...	1.10
Carb. 600 lb bbls. wks.....lb	...	.07	NY	100 lb	.14	Toluene, 8000 gal tank cars, wks.gal	...	.26
100 lb kegs, wks.....lb	...	.08	Precipitated, 125 lb bbls NY.....lb	...	.17	110 gal. drs. wks.....gal	...	.31
Iodide USP, 25 lb jars.....lb	...	4.00	Lac, 125 lb bbls NY.....lb	...	.10	Toluidine, Mixed, 900 lb drs. wks. lb	...	.32
Nitrate, 600 lb bbls., wks.....lb	...	.10	Sulfur Chloride, red, 700 lb drs.	...	.06	Triacetin, 50 gal. drs., wks.....lb	...	.37%
Imp., bbls., NY.....lb	...	.09%	wks. ....lb	...	.08	Tribromophenol, 100 lb cases.....lb	...	1.00
Sulleyate, USP, 100 lb kegs.....lb	.70	.75	150 lb chys. wks.....lb	...	.08	Trional, see Sulfonethylmethane	...	
STRYCHNINE Alkaloid, USP, crys.			Yellow, 700 lb drs. wks.....lb	...	.06	Triphenylguanidine .....	...	.80
100 oz. tins .....	.81		150 lb chys. wks.....lb	...	.07	Triphenyl Phosphate, 450 lb bbls. lb	...	.55
Alk. powd., USP .....	.71		Sulfur Dioxide, 100 lb cyl.....lb	...	.08	Tripoli, 500 lb bbls.....100 lb	2.50	3.00
Acetate .....	.80		Iodide, USP, VIII. 5 lb bot.....lb	...	4.55	Tungsten NY	8.25	9.00
Glycerophosphate, USP .....	.80		Sulfuric Ether, see Ether	...		Ultramarine Blue .....	.15	.25
Hydrochloride .....	.80		Sulfuryl Chloride, 400 lb drs.....lb	.75	1.00	UREA, pure, 112 lb cases.....lb	.18	.30
Hydrochloride .....	.80		TALC, Italian 220 lb bags NY..ton	40.00	50.00	VANILLIN, USP, 5000x cans.....oz	...	.49%
Hydrophosphate .....	.80		Refined white, bags	60.00	80.00	Cans, 80 oz.....oz	...	.50
Nitrate, USP .....	.80		French, 220 lb bgs., NY.....ton	30.00	35.00	Cans, 16 oz.....oz	...	.51
Phosphate .....	.80		Refined, white, bags	45.00		Second Hands .....	.47	.50
Sulfate, USP, crys. powd.....oz	.57%		Dom., crude, 100 lb bags NY..ton	13.00	15.00	Venetian Red .....	...	.05
Saccharinate	1.92		Refined, 100 lb bags NY.....ton	16.00	18.00	Verdigris, see Copper Subacetate	...	
Strychnine preparations quoted bases			Tar, Coal Gas. Tks, wks.....gal	.06	.08	Vermilion, Amer. 100 lb kegs.....lb	.35	.40
1000x lots in 1000x tins. Small Sizes:			Coke Ovens Tks, wks.....gal	.07	.08	English, kegs	1.30	1.35
3/4 oz vials, 50c extra; 1/4 oz vials, 25c			Water Gas. Tks, wks.....gal	.06	.08	Veratrine Sulfate, 100 vial.....oz	...	1.85
extra; single ounce vials, 7c extra. Lots			Tartar Emetic, tech. 700 lb bbls. lb	.24	.25	Hydrochloride, 100 vial.....oz	...	1.85
of 25 ozs. 5c higher than above			USP, 300 lb bbls.....lb	.31	.34	Veronal, see Acid Diethylbarbituric	...	
schedule. Lots of less than 25 ozs.			Terpin Hydrate, USP, 100 lb kegs lb	.60	.62	WHITE LEAD, see lead, white	...	
10c higher per oz.			Terpineol, CP 1000 lb drums.....lb	.43	.50	White Precipitate, see mercury	...	
Sugar Coloring, bbls.....gal	.63	.72	Cars, 50 lb .....	.53	.57	Whiting, 200 lb bags, c/1 wks.ton	18.00	15.00
Sugar Milk, USP, 200 lb bbls.....lb	.21%	.22	Imported, cans, 25 lb .....	.95	1.20	Bags, lc/1 NY .....	...	18.00
Second Hands, USP, bbls.....lb	.30	.31	Terpenyl Acetate, 25 lb cans.....lb	1.65	1.85	CHILDERS, bags, NY.....ton	13.50	15.00
Sulfonal, see Sulfonmethane			Terra Alba, No. 1, 300 lb bbls100 lb	1.85	1.90	French, bags, NY.....ton	...	18.00
Sulfonethylmethane, USP, 10 lb bbs. lb	3.85	4.05	No. 2, bbls.....100 lb	1.25	1.35	English, bags, NY.....ton	...	31.00
Sulfonmethane, USP, 10 lb bbs. lb	2.65	2.85	Theobromine Alk., 5 lb cans.....lb	4.00	4.10	Witch Hazel Extract, 50 gal. bbls.gal	1.05	1.10
			and Sod. Salicylate, 1 lb bot.....lb	...	3.42			

QUININE

Sulphate and Minor Salts

Unexcelled in Uniformity of Quality
Brilliant Crystallization and Purity of Color

**Cinchonine, Cinchonidine
Quinidine
and their Salts**

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YOHIMBINE QUINIC ACID**

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Extraction**

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Chemicals

XYLENE, 3° dist range, nitration	.45	: .50
thk. wks. gal	.50	: .55
110 gal. drs. NY.....gal		
5° dist. range, 8000 gal. tanks		
wks. gal	.35	: .40
110 gal. drs. wks. gal	.40	: .45
10° dist. range, drums, wks. gal	.35	: .40
Tanks, wks. gal	.25	: .28
Commercial 110 gal. drs., wks. gal	.30	: .31
Tanks, wks. gal	.25	: .26
Xylidine lb	.40	: .45
YARA YARA, 1 lb tins. lb	1.75	: 2.00
Yehimbin Hydrochloride, 1 oz. vial. oz	3.00	: 3.57
ZINC, METAL, high grade, slabs		
c/l NY 100 lb	8.25	
Common Slabs, c/ NY..... lb	6.70	
Mossy, 25 lb bxs NY..... lb	14	
Ammonium Chloride, powd., 400 lb		
bbbs. lb	.07½	: .08
Carb. tech. 150 lb kegs NY..... lb	.30	
USP, 100 lb kegs lb	.33	
Chloride, fused, 500 lb drs. wks. lb	.06	
Drs. c/l wks. lb	.04½	: .05
Granulated, 500 lb bbls. wks. lb	.07	: .07½
Imported, drs. NY lb	.06½	: .06¾
Solution, 30%, tanks vials 100 lb	2.25	: 2.50
USP, 25 lb jars lb	.27	: .29
Cyanide, 100 lb drs. lb	.40	: .41
Dust, 100 lb. tins wks. lb	.09½	: .10
500 lb bbls., kegs, lc/l wks. lb	.09½	: .10
500 lb bbls., kegs, c/l wks. lb	.08½	: .09
Iodide, 5 lb bots. lb	5.28	
Nitrate, 25 lb jars lb	.45	
Oxide, Amer. 300 lb bbls. wks. lb	.08½	: .08¾
French, 300 lb bbls wks. lb	.10½	: .12½
Bbl c/l wks. lb	.09½	: .11½
Bags, c/l wks. lb	.09½	: .10½
USP, 100 lb bbls. c/l lb	.17	
700 lbs wks. lb	.12	
Imported, white seal, bbls. lb	.10	
Green seal, bbls. lb	.10	
USP 100 lb bbls. lb	.19½	
Nitrate, USP, 50 lb bbls. lb	.18½	: .19
Sulfate, 400 lb bbls., wks. lb	.03½	: .03¾
Bbls., c/l wks. lb	.03	
USP 100 lb kegs lb	.08	: .09
Sulfide, 500 lb. bbls. lb	.80	: .85
Sulfocarbonate, 100 lb kegs. lb	.32	: .35

Oils

Castor, No. 1, 400 lb bbls. lb	.17½	: .18
80 lb cases lb	.18	: .18½
No. 2, bbls. lb	.17	: .17½
Blown, 400 lb bbls. lb	.19	
China Wood, bbls., spot NY..... lb	.16	: .16½
Tanks, Spot, NY..... lb	.15	: .16
Nov., Dec. forw. arr. NY bbls. lb	.15½	: .16
Nov. forward, arrival NY tanks. lb	.14½	: .15
Coast. tanks, Oct. lb	.14	: .15
Cat., tks., Nov., Dec. forw. lb	.14½	: .15
Coconut Ceylon, 375 lb bbls., NY. lb	.11½	: .12
8000 gal. tanks, NY..... lb	.12	: .12½
Cochin, 375 lb bbls., NY..... lb	.12	: .12½
Tanks, NY lb	.10½	: .11
Manila tanks, P. Coast. lb	.09½	: .10
Manila, tanks, NY lb	.09	: .09½
Tanks, NY gal	.55	: .57
Edible, bbls., NY..... lb	.11½	: .12
Cod Newfoundland, 50 gal. bbls. gal	.62	: .65
Copra, bags lb	.06	: .06½
Corn, ref., 375 lb bbls., NY..... lb	.13½	: .14
Crude, tanks mills lb	.10	: .11
Bbls., NY..... lb	.11½	: .12
Cottonseed, crude, tks., mill. lb	.08	: .09
P. S. Y., 100 bbls., NY..... lb	.10½	: .11
White, 100 bbls. lots, NY..... lb	.13	
Winter yellow, 100 bbls., NY..... lb	.13	
Degras, Amer. 50 gal. bbls., NY..... lb	.04½	: .04¾
English, light, bbls., NY..... lb	.05½	: .06
Brown, bbls., NY lb	.04	: .04½
Light brown, bbls., NY..... lb	.04½	: .05
Dark, bbls., NY lb	.03½	: .04
Neutral, bbls., NY lb	.10	: Nom.
Moellon, bbls., NY gal	.50	
Greases, choice white, bbls., NY..... lb	.14	
Yellow lb	.08	
Brown lb	.07½	: .08
House lb	.07	: .08
Bone naphtha lb	.06½	: .07
Herring, Tanks, Coast gal	Nom.	
Horse, 375 lb bbls., NY..... lb	.18½	: .19
Lard, prime steam, bbls. lb	.18½	: .19
Compounds, bbls. lb	.13½	: .14

LARD OIL, Edible prime, bbls. lb	2.05	: 2.10
Off prime, bbls. lb	.19	: .20
Extra, bbls. lb	.15	: .16
Extra No. 1, bbls. lb	.13	: .14
No. 1, bbls. lb	.13	: .14
No. 2, bbls. lb	.13	: .14
LINSEED, raw c/l bbls., spot. gal	1.06	
Five bbls., raw gal	1.09	
Bottled, 5 bbl. lots gal	1.11	
Double bottled, 5 bbl. lots gal	1.12	
Haw, lc/l bbls. gal	1.09	
Tanks gal	1.00	
Oct., c/l wks. gal	1.08	
Nov., c/l wks. gal	1.03	: 1.01
Dec., Apr., c/l wks. gal	1.00	
Imported, bbls., NY gal	1.00	
Tanks, NY gal	1.00	
Menhaden, crude bbls., wks. gal	1.00	
Crude, tanks, Balt. gal	.54	: .55
Light strained, bbls., NY..... gal	.68	: .70
Yellow bleached, bbls., NY..... gal	.71	: .72
Extra bleached, bbls., NY..... gal	.73	: .74
Blown, bbls., NY gal	1.00	
Neatfoot, 20° c.t. bbls., NY..... lb	.18	
Pure, bbls., NY lb	.15	: .15½
Extra, bbls., NY lb	.13	: .13½
No. 1, bbls., NY..... lb	.12	: .12½
Oleo Oil, No. 1, bbls., NY..... lb	.22	: .22½
No. 2, bbls., NY lb	.18½	: .19
No. 3, bbls., NY lb	.17	: .17½
OLIVE, denatured bbls., NY..... gal	1.25	: 1.30
Edible, bbls., NY gal	2.15	: 2.25
Foots, bbls., NY gal	.09½	: .09¾
Shipments lb	.09½	: .09¾
Palm Lagos, 1500 lb casks. lb	.09	: .09½
Niger casks lb	.08½	: .09
Bonny old Calabar, casks lb	Nom.	
Palm Kernel, bbls., NY..... lb	.08	: .10
Peanut, refined, bbls., NY..... lb	.17	: .17½
Crude, mills buyers' tks. lb	1.00	
Crude, bbls., NY lb	1.00	
Perilla, bbls., NY lb	14½	: 14½
Poppyseed, bbls., NY gal	2.25	: 2.50

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Sal Soda
Glauber's Salt
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Sodium Silicate

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Utica, N. Y.Albany, N. Y.
Newark, N. J.What is said of
our Services!Messrs. Gebr. Waanning Tilly, from Haarlem (Holland)
write to us on the 23rd of October, 1922:—

"We received through your Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietary Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trademark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y.,
U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled this and if there is any further business of this nature at any time that you can attend to, we will be glad to place it in your hands."

Messrs. Max Dörner G. m. b. H., from Solingen (Germany)
write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further registrations will also be trusted to you."

P. LODGE & CO.
Patent and Trade Mark Agents
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CALCUTTA, INDIA

Oils and Fertilizers

Rapeseed, refined, bbls. N.Y.	gal	.94	.95
Blown bbls., NY	gal	1.02	1.05
Red Oil, distilled, bbls.	db	..	..10 1/4
Saponified, bbls.	db	..	..10 1/4
Tanks	db	..09 1/2	..09 1/4
Salmon, 8000 gal. tks. Coast.	db	..	..13 1/2
Seam, edible, bbls.	db	..13	..13 1/2
Hod Oil, bbls., NY	gal	..	..40
SOYA BEAN, crude, tks., Coast.	db	..	..11 1/4
Crude, Tks., NY	db	..	..11 1/4
Crude, bbls., NY	db	..	..13 1/2
Refined, bbls., NY	db	..14	..14 1/4
Sperm, 38° c.t. bichd. bbls. NY.	gal	..92	..93
45° cold test, bichd. bbls. NY.	gal	..	..90
STEARIC ACID, s.p. 200 lb. bags.	db	..11	..11 1/4
Double pressed, bags	db	..11 1/4	..12
Double pressed, bgs., saponified.	db	..11 1/2	..12
Triple pressed, bgs., distilled.	db	..13 1/2	..14
Triple pressed bgs., saponified.	db	..13 1/2	..14
Stearine, oil, bbls.	db	..13 1/4	..13 1/2
Tallow, edible, tierces	db	..10 1/2	..11
City, extra, loose	db	..09 1/2	..09 1/4
Tallow Oil, acidless tks. NY.	db	..	..11 1/4
Bbls., c/l NY.	db	..	..12 1/4
Walnut, crude bbls. NY.	db	..	..
Whale, nat winter bbls. NY.	gal	..	..77
Blehd. winter bbls. NY.	gal	..	..81
Extra Blehd. bbls. NY.	gal	..	..83
Crude, No. 1, tanks Coast.	gal	..	..
Crude, No. 2, tanks Coast.	gal	..	..
Crude, No. 3, tanks Coast.	gal	..	..

Fertilizer Materials

Blood, dried f.e.b. NY	unit	4.75	4.75
Chicago	unit	3.90	4.10
Bone, 3 & 50 gr. steam. Chgo.	unit	22.00	23.00
Raw, NY	ton	..	..33.00
Cyanamide, NY, basis	unit	1.65	1.75
Fish Scrap, dried wks.	unit	4.80	5.10
Acid, Bulk 7 & 3 1/2, Del.	unit	4.25	5.00
Norfolk & Balt. basis	unit	24.00	26.00
Steamed Bone Meal, 3 & 50 Balt.	ton	3.40	4.10
Tankage, ground, NY	unit	3.40	4.10
High grade f.e.b. Chicago	unit	3.85	4.10

Ammon. Sulf., bulk wks.	100 lb	2.60	2.65
Double, bgs., f.a.s. NY	100 lb	2.90	3.00
Single bgs., wks.	100 lb	..	..2.75
NITRATE SODA, spot	100 lb	..	..2.40
Future, Oct-June	100 lb	2.40	2.42 1/2
Phosphate Rock, f.e.b. mines	ton	..	..2.25
Florida Pebble, 68%	ton	..	..2.50
Florida Pebble, 70%	ton	..	..3.75
Florida Pebble, 75-74%	ton	..	..5.50
Tennessee, 72%	ton	..	..8.75
Phosphate Acid, 16% Bulk wks.	ton	..	..34.55
PCTASH	ton	..	..45.80
Pot. Murate, 80% basis, bgs/ton	ton	..	..26.35
Pot. Sulfate, 90% basis, bgs, ton	ton	..	..17.05
Dbie. Manure Salts, 48% basis	ton	..	..10.55
bgs.	ton	..	..7.75
Manure Salts, 30% basis, bulk ton	ton	..	..
Manure Salts, 20% basis, bulk ton	ton	..	..
Kainite, 12.4% basis, bulk ton	ton	..	..
Bulk in bags, \$2.00 extra.	ton	..	..
Prices c.i.f. Atlantic & Gulf Ports.	ton	..	..
Discounts, 50 tons, 5%; 500 tons, 10%.	ton	..	..

Naval Stores

(Caribbean ex-yard N. Y.)			
Spirita Turpentine, bbls.	gal	..37 1/2	..88
Wood Turpentine, stm. distd. bbls.	gal	..	..79
Destructive distilled, bbls.	gal	..	..68
Pine Oil, stm. dist. bbls.	gal	..	..66
Pitch, prime	bbl	..	..6.00
Rosins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.)	ton	..	..
B	280 lb	..	..7.00
D	280 lb	..	..7.00
E	280 lb	..	..7.00
F	280 lb	..	..7.00
G	280 lb	..	..7.00
H	280 lb	..	..7.00
I	280 lb	..	..7.05
K	280 lb	..	..7.05
M	280 lb	..	..7.10
N	280 lb	..	..7.25
WG	280 lb	..	..8.00
WW	280 lb	..	..8.65

Rosin Oil, first run, 50 gals. bbls.	gal	..	..40
Second run, bbl.	gal	..	..42
Tar, kiln-burnt	bbl	..	..12.00
Retort	bbl	..	..12.00

Dye and Tan Woods

Barwood, chips	db	..04 1/4	..05
Camwood, chips	db	..09	..13
Diri Diri, pods, bags	ton	42.00	45.00
Fustic, sticks	ton	30.00	32.00
Chips	db	..04	..05
Hemlock, bark	ton	..	..30.00
Hyperic. chips	db	..06 1/4	..07
LOGWOOD, sticks	ton	23.00	27.00
Chips 150 lb bags	db	..08	..08 1/2
Mangrove bark, African	ton	..	..Nom.
Myrobalams, bags, J1	ton	46.00	48.00
R1	ton	43.00	45.00
J2	ton	34.00	36.00
Nutmalls, see Crude Drugs			
Oak bark, whole	ton	20.00	23.00
Ground	ton	..	..25.00
Quercitron bark, rough	ton	..	..10.00
Ground	ton	20.00	25.00
Sumac, Sicily, 160 lb bags	ton	170.00	175.00
Virginia, 150 lb bags	ton	40.00	45.00
Valonia Caps, 30-31% tan	ton	32.00	35.00
Beard, 42% tan, bgs	ton	48.00	50.00
Mixtures, 36% tan	ton	37.00	38.00
Wattle bark, bgs	ton	37.00	39.00

Extracts

Range of prices includes quality range for large quantity.			
Annatto, fine	db	..28	..30
Archil, double 600 lb bbls.	db	..13	..14
Triple, 600 lb bbls.	db	..16	..17
Conc., 600 lb bbls.	db	..18	..20



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Chestnut, clarified, 2 1/2% tks. wks. D	.01%	.01%
Bble., wks. D	.02%	.03
Powd., 60% 100 lb bags, wks. D	.05%	.05%
Decolorized, bags, wks. D	.06%	.07
Cudbear, English D	.18	.20
Cutch, Rangoon, 100 lb bales D	.14	.16
Borneo, solid, 100 lb bales D	.04%	.05%
Liquid, 450 lb bbls. D	.07%	.11
Tablets, 120 lb boxes D	.13	.14
Flavine D	.98	1.00
Fastie, solid 50 lb boxes D	.20	.22
Crystals, 100 lb boxes D	.20	.23
Liquid, 51°, 600 lb bbls. D	.10	.14
Gall extract D	.16	.18
Gambier, 25% liq. 450 lb bbls. D	.12	.14
Common, 200 lb cases D	.15	.15%
Singapore cubes, 150 lb bags. D	.23	.25
HEMATINE, Paste, 500 lb bbls. D	.09%	.13
Crystals, 400 lb bbls. D	.12	.20
Hemlock, 25% 600 lb bbls. wks. D	.03%	.03%
Hyperic, 51°, 600 lb bbls. D	.16	.18
Indigo, Madras, bbls. D	.85	.90
Manila, bble. D	...	1.30
Larch, 25%, 600 lb bbls., wks. D	.03%	.04
Powd. 100 lb bags, wks. D	.07	.08
Logwood, 51°, 600 lb bbls. D	...	.09
Lower grades D	.07	.08
Solid, 50 lb boxes D	.09	.15
Madder, Dutch D	.28	.30
Mangrove, 55% 400 lb bbls. D	.04%	.05
Myrobalsam, 25% liquid bbls. D	.04	.05
50% solid, 50 lb boxes D	.05	.05%
Oak, tanks, wks. D	.04	.04%
23-25% liq. 600 lb bbls. wks. D	.04%	.04%
Orange Orange, 51° liquid D	.07	.08
Powd. 100 lb bags D	.14	.15

Persian Berries D	.27	.30
QUEBRACHO, 35% liquid tks. D	.03	.03%
450 lb bbls. D	.03%	.04
35% bleaching, 450 lb bbls. D	.04%	.05%
Solid 65% 100 lb bales D	.03%	.04
Clarified, bales D	.04	.04%
Quercitron, 51° 450 lb bbls. D	.06	.08
Powdered, 100 lb boxes D	.09	.13
Spruce, 25% liquid tanks wks. D	.01	.01%
Powd. 50% 100 lb bags wks. D	.02	.02%
Sumac, liquid 450 lb bbls. D	.06	.07%
Stainless, 600 lb bbls. D	.11	.12

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. D	...	1.30
Blood, 100 lb dra. D	.45	.50
Egg Yolk, Spray, 150 lb cs. D	.45	.55
British Gum, 140 lb bags c/l 100 lb D	...	4.82
Bags, c/l D	...	4.92
Dextrin, corn 140 lb bags c/l 100 lb D	...	4.52
Bags, c/l D	...	4.62
Yellow, bags c/l D	...	4.57
Bags, c/l D	...	4.67
Potato 220 lb bags c/l D	...	.08
Bags, c/l D	...	.08%
Yellow, 220 lb bags D	...	.07%
Tapioca, 200 lb bags, lc/l D	.09	.09%
Prussian blue D	.35	.40
Sago Flour, 150 lb bags D	...	.03%
STARCH, powd. 140 lb bags c/l 100 lb D	...	3.97
Bags, lc/l D	...	4.07
Pearl, 140 lb bags c/l D	...	3.97
Bags, lc/l D	...	3.97
Potato, domestic, 200 lb bags D	.05%	.06
Imported, bags duty paid. D	...	.06%
Tapioca Flour, high grade bags. D	.06	.06%
Medium grade bags D	.05%	.05%
Low grade, bags D	.04	.05
Turkey Red Oil, bbls. D	.11	.12
Yolk Oil, bbls. D	...	.35

Crude Drugs

Accorides Gum, yel. D	.18	.20
ACONITE Leaves, bales D	.10	.13
Root, USP, bags D	.35	.37
Agar Agar, 1, 200 lb bales D	1.60	1.65
No. 2, bales D	...	1.55
No. 3, bales D	...	1.40
Agaric, white, cases D	2.75	3.00
Almonds, bitter, bags bxs. D	.60	.65
Sweet, bags D	.57	.60
Mead, tins, boxes D	.24	.26
Aletris Root, bags D	.43	.44
Alkanet Root, bags D	.06	.06%
Aloes, Barbadoes, 120 lb bbls. D	.65	.70
Cape, 400 lb cases D	.09	.09%
Curacao, 100 lb cases D	10%	.11
Socotrine, whole 100 lb cs. D	.30	.32
Select, cakes, D D	.35	.37
Althea Root, cut cases D	.22	.24
Whole bags D	.08	.09
Ambergris, black boxes D	8.00	10.00
Grey, boxes D	...	26.00
Ammoniac, tears, bags D	.68	.73
Angelica Root, dom. bags D	.13	.13
Angostura Bark, bags D	...	...
Anise, Levant bags D	.18	.16
Russian, bags D	.13	.14
Star, cases D	.11	.11%
Spanish, bags D	.14%	.14%
Anatto Seed, 200 lb bags D	.22	.23
ARABIC GUM, D	...	...
White, No. 1, 200 lb bags D	.26	.27
Secunda, 250 lb bags D	.24	.25
Sorts, amber, 200 bgs. bbs. D	.11%	.12
Powd., USP, 300 lb bbls. D	.18	.20
Arcaea Nuts, 150 lb bags D	...	...
Powd., 200 lb bbls. D	.14	.15
Arnica, Flowers, bales D	.08	.08%
Root, bags D	.25	.30
Arrowroot, Amer., powd. bbls. D	10%	.11
St. Vincent, powd. bbls. D	14%	.15
Asafetida, USP, 250 lb cases. D	.22	.24
Powd., 50 lb bxs. D	.36	.40
BALM GILEAD BUDS, bags D	.40	.45
Balmory Herbs, bales D14

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Sole Agents U. S. A.

KITAGUMI JAPAN WAX

PRICES CURRENT SECTION

Crude Drugs

BALSAMS								
Copalba, Para, 80 lb cs.	lb	.29 : .31	Cannabis, true Imp. bags	lb	.50 : .52	Cinnamon, Ceylon, bales	lb	.35 : .37
South American, 80 lb cs.	lb	.40 : .42	American (no assay) bales	lb	.40 : .50	Broken, bales	lb	.24 : .26
Flr Canada, cns	gal	10.25 : 11.25	USP	lb	.70 : .85	Civet, Atyasia boras	oz	2.75 : 3.75
Oregon, bbls., cans	gal	.95 : 1.00	Cantharides, Chinese cases	lb	.95 : 1.00	Clover Tops, bags	lb	.18 : .20
Para, 120 lb cases	lb	1.75 : 1.80	Powdered, boxes	lb	1.15 : 1.20	Clover, Zanzibar, 135 lb bales	lb	.29 : .30
Tolu, 90 lb cases	lb	1.80 : 1.90	Cantharides, Russian, cases	lb	.80 : .85	Amboyas, bales	lb	.30 : .31
Bamboo Briar Root, bags	lb	.05 1/4 : .06	Powdered, oxes	lb	1.00 : 1.10	Penang, bales	lb	.40 : .42
Barberry Bark, tree bales	lb	.11 : .13	Caraway Seed, African, bags	lb	.09 1/4 : .10	Cochineal, USP, boxes	lb	.34 : .36
Root, bags	lb	.10 : .12	Butch, 11 lb bags	lb	.10 : .10 1/4	Coca Leaves, Huancayo bags	lb	. . . : . . .
Bayberry Bark, bales	lb	.21 : .22	Cardamom, bleach, cases	lb	1.75 : 2.00	Truxillo, bags	lb	. . . : . . .
Wax, bbls.	lb	.25 : .26	Decorticated, cases	lb	1.70 : 1.85	Cobosh Root, Black bags	lb	.08 : .08 1/2
Belladonna Leaves, bales	lb	.12 : .13	Green, grinding, bags	lb	1.40 : 1.45	Blue, bags	lb	.10 : .10 1/2
Root, bags	lb	.40 : .42	Carnauba Wax, Flor. bags	lb	.39 : .42	Colchicum Root, bags	lb	.07 : .08
Bees Wax, white cases	lb	.25 1/4 : .28	No. 1 N Country bags	lb	.24 : .26	Seed, bags	lb	.08 1/2 : .09
Yellow, refined, cases	lb	.23 : .25	No. 2 N Country bags	lb	.28 : .30	Colocynth, apples, cases, bales	lb	. . . : . . .
Crude, bags	lb	1.30 : 1.35	No. 3 Patty Gray, bags	lb	.22 : .23	Pulp, USP, bales	lb	.28 : .30
Benzoin Gum, Siam, boxes	lb	.22 : .23	No. 3 Chalky, bags	lb	.22 : .23	Colombo Root, whole bags	lb	.03 : .03 1/2
Sumatra, 80 lb boxes	lb	.14 : .15	Cascara Amarga, 150 lb bales	lb	. . . : 2.50	Coltsfoot Leaves, bags	lb	.05 : .06
Berberis Aquifolium Root, bags	lb	.28 : .30	Cascara Sagrada, bales, 1920-22	lb	.21 : .23	Comfrey Root, bags	lb	.13 : .14
Both Root, bags	lb	.40 : .42	1923 bark	lb	.18 : .20	Condurage Bark, bales	lb	.19 : .22
Bitter Root, 100 lb bags	lb	.33 : .34	1924 bark	lb	.14 : .15	Conium Seeds, bags	lb	.12 : .14
Blackhaw Bark, root, bales	lb	.15 : .16	Cascarilla Bark, quills bales	lb	. . . : . . .	Copalba Balsam Para, see Balsams	lb	.12 : .13
Tree, bales	lb	.40 : .42	Siftings, bbls	lb	.12 1/4 : .13	Copal Gum	lb	.06 : .06 1/2
Black Indian Root, 100 lb bags	lb	.14 : .15	Cassia Buds, 60 lb cases	lb	.07 1/4 : .08	Coriander Seed, Bombay bales	lb	.07 : .07 1/2
Rlood Root, bags	lb	.25 : .27	China, Whole Rolls, cases	lb	.30 : .31	Morocco, bags	lb	.07 : .10 1/2
Bludging Root, bags	lb	.20 : .21	Saison, assort. bales	lb	.09 : .10	Bleached, bags	lb	.04 1/2 : .05 1/2
Boldo Leaves, bales	lb	.08 : .09	Cassia Fistula, baskets	lb	.27 : .28	Corn Silk, bales	lb	.14 : .15
Boragae Flowers, bales	lb	.17 : .20	Castile Soap, USP, powd., 200 lb	lb	.03 : .03 1/4	Cotton Root Bark, bales	lb	. . . : . . .
Bryonia Root, bags	lb	.10 : .11	bbls.	lb	4.00 : 4.50	Cowhage, oz. tins	oz	. . . : . . .
BUCHU LEAVES, short, 250 lb	lb	.76 : .78	Castor Beans, bags	lb	.11 : .12	Cramp Bark, so-called bales	lb	.07 : .08
bales	lb	.81 : .83	Castoreum, 1 lb bot.	lb	.23 : .26	True, bags	lb	.30 : .32
Long, bales	lb	.05 : .05 1/4	Catechu Gum, bags	lb	.31 1/2 : .32	Cranesbill Root, bags	lb	.16 : .18
Buckthorn Bark, bags	lb	.13 : .15	Catnip Herb, bales	lb	.10 1/4 : .11	CUBEB BERRIES, XX bags	lb	.60 : .65
Burdock Root, bags	lb	.05 : .05	Celery Seed, 250 lb bags	lb	.09 : .10	Powdered, boxes	lb	.63 : .65
Burnings Pitch dom., 110 lb stange	lb	. . . : . . .	Ceresin Wax, white bags	lb	. . . : . . .	Culvers Root, bags	lb	.22 : .23
Grom for net	lb	. . . : . . .	Yellow, 200 lb bags	lb	. . . : . . .	Cumin Seed, Levant bags	lb	.20 : .22
Calabar Beans, bags	lb	.12 : .13	CHAMMILE FLOWERS, Roman	lb	.35 : .37	Malta, bags	lb	.19 : .19 1/2
Calamus Root, bleached cases	lb	.33 : .35	cases bales	lb	.07 : .07 1/4	Morocco, bags	lb	.14 : .18 1/2
Unbleached, bags	lb	.06 : .07	Charcoal Willow, powd. bbls.	lb	.06 : .06 1/4	Outleish Bone, Trieste, straps	lb	.12 1/4 : .13
Calendula Petals, imp. bales	lb	.18 : .20	Wood, powd. bbls.	lb	.04 : .05	Jewellers, large, straps	lb	. . . : . . .
Calisaya Bark, bales, powd.	lb	.25 : .26	Chestnut Bark, bags	lb	.07 : .08	Small, straps	lb	. . . : . . .
Campher, see Chemicals	lb	.07 1/4 : .08	Herb, bales	lb	.06 : .06 1/4	French straps	lb	.13 1/4 : .14
Canary Seed, Morocco bags	lb	.07 : .07 1/4	Chicle Gum, bags	lb	.10 : .12	Powdered, boxes	lb	.13 : .14
South American, bags	lb	.25 : .26	Chiretta, bales	lb	.48 : .50	Broken, boxes	lb	. . . : . . .
Candellila Wax, bags	lb	.24 : .25	Cinchona Bark, red quills bales	lb	. . . : . . .	Damar Gum, 136 lb cases	lb	.25 : .25 1/2
			Broken bales	lb	.24 : .25	Iviamana Leaves, bales	lb	.14 : .15
						Dandelion Root, Imp. bags	lb	.28 : .32
						Deer Tongue Leaves, bales	lb	.08 1/4 : .09

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Digitalis Leaves, bales.....lb	.07	.08	Grindella Robusta Herb, bales...lb	.07½	.08½	LADY SLIPPER ROOT, bags...lb	.30	.35
Dill Seed, bags.....lb	.06	.07	Guaiac Gum, 80 lb cases.....lb	.42	.44	Larkspur Seed, bags.....lb	..	..
Dogwood Bark, Jamaica bags...lb	.10	.11	Guarana, tins, cases.....lb	.65	.70	Lavender Leaves, bags.....lb	.04½	.05
American, bales.....lb	.07	.08	GUM, see Arabic Gum, etc.			Lavender Flowers, ordinary...lb	.22	.26
Doggrass Root, USP, cut bags...lb	.10	.11				Selected.....lb	.30	.40
Dragons Blood, mass cases...lb	.65	.70	HELLEBORE ROOT,			Leeches, tube.....Per 100	3.90	4.50
Reeds, boxes.....lb	.85	.90	Black, bbls.....lb	.08	.10	Lemon Peel, bags.....lb	.08	.09
ECHINACEA ROOT, bags.....lb	.31	.32	Powdered.....lb	.15	.17	Licorice Root, Russian, whole...lb	.07	.07½
Elecampane Root, bags.....lb	.09	.10	White, Powd., 250 lb bbls...lb	.11	.12	Spanish, natural bales.....lb	.08½	.09
Elder Flowers, bags.....lb	.11	.14	Helonias Root, (uncorn false) bags.....lb	.67	.68	Powdered, bbls.....lb	.09	.09½
Elemi Gum, 89 lb cases.....lb	.10	.11	Hemp Seed, Manchurian bags...lb	.03½	.04	Selected, 2 & 5 lb bundles...lb	.14	.17
Elm Bark, select 5 lb bundles cases...lb	.26	.27	Chilian, bags.....lb	.03½	.04	Cuttings, 125 lb bags.....lb	.06	.06½
Grindling, bags.....lb	.16	.18	Henbane Leaves, bales, USP...lb	.29	.30	Greek, 150 lb bales.....lb	.03	.03½
Powdered, bbls.....lb	.23	.25	No assay.....lb	.29	.27	Life Everlasting Herbs, bales...lb	.05	.06
ERGOT, 150-200 lb bags.....lb	.32	.33	Henna Leaves, bales.....lb	.09½	.10	Lime Juice, clarified bbls.....gal	.60	.66
Eucalyptus Leaves, bales.....lb	.05	.06	Powdered.....lb	.12	.13	Linden Flowers, with leaves, bales lb	.10	.11
Euphorbia Pilulifera Herb, bags lb	.10	.11	Honey, Calif., 120 lb cases...lb	.12½	.13	Without Leaves, bales.....lb	.17	.18
Euphorbia Gum, cases.....lb	.25	.27	Hops, N. Y. prime bales.....lb	.28	.30	Liverwort Leaves, bales.....lb	.19	.20
Powdered, boxes.....lb	.40	.42	Pacific Coast prime bales...lb	.25	.27	Lobelia Herb, bales.....lb	.25	.27
Fennel Seed, French, bags.....lb	.10	.10½	Forehound Herb, bales.....lb	.10	.11	Lobelia Seed, bags.....lb	.62	.63
German, bags.....lb	.13	.17	Horsetail Rash, bags.....lb	..	.15	Lovage Root, imported, bags...lb	.18	.20
Indian, bags.....lb	.07	.07½	India Gum, see Karaya			Lupulin, boxes.....lb	1.15	1.50
Flax Seed, whole 150 lb bbls...ca	13.00	13.50	INSECT FLOWERS, open whole bales			Domestic.....lb	1.15	1.20
Ground, 150 lb bbls.....lb	.07½	.08	Bales.....lb	.37	.39	Lycopodium, 88 lb cs.....lb	.35	.36
Penogreek Seed, 200 lb bags...lb	.06	.06½	Closed whole, bales.....lb	.39	.41	MACE, Siam, No. 1 cases.....lb	..	..
Pinb Berries, 100-125 lb bags...lb	..	..	Powdered, pure 200 lb bbls...lb	.45	.47	Banda, No. 1 cases.....lb	..	..
Pine Tree Bark bags.....lb	.20	.21	Flowers and Stems, 50 p.c. 200 lb bbls.....lb	.32	.33	Batavia, No. 2 cases.....lb	..	..
Fumigating Pastilles, Black, 1 lb boxes.....lb	.17	.18	Ipecac Root, Cartagena, bags...lb	2.30	2.40	West India, cases.....lb	.66	.68
Red, 1 lb. boxes.....lb	.17	.18	Powdered, 200 lb bbls, boxes lb	2.40	2.50	Malva Flowers, blue bales.....lb	.35	.37
GALANGAL ROOT, bags.....lb	.07½	.08	Rio Whole, bags.....lb	2.20	2.25	Black, bales.....lb	.55	.60
Galbanum Gum, cases.....lb	.80	.95	Powdered, 200 lb bbls, boxes lb	2.30	2.35	Manna, large flake cases.....lb	.77	.79
Gambier Gum, bags.....lb	1.5½	.16	Isinglass, American, 130 lb cs...lb	.75	.80	Small flake, cases.....lb	.41	.42
Gamboge Gum, 160 lb cases...lb	.74	.75	Russian (Beluga) boxes, etms...lb	4.00	4.50	Sorts, cases.....lb	..	.30
Powdered, cases.....lb	.83	.85	JABORANDI LEAVES, bales.....lb	.10	.10½	Mandrake Root, bags.....lb	.12	.13
Gelsemium Root, bags.....lb	.11	.11½	Jalap Root, whole, 150 lb bags...lb	.29	.35	Mastic Gum, 120 lb cases.....lb	.55	.57
Gentian Root, bags.....lb	.08½	.09	Powdered, USP, 250 lb bbls...lb	.34	.36	Mezereum Bark, bags.....lb	.11	.12
Ginger, African, bags.....lb	.17	.17½	Japan Wax, white bags.....lb	.16½	.17	Matico Leaves, bales.....lb	.12	.13
Jamaica, grinding, bags, bbls lb	.26	.32	Job's Tears, white bags.....lb	.15	.16	Marjoram Leaves, German bales lb	.17	.22
Japan, bags.....lb	.16½	.17	Juniper Berries, 125 lb bags...lb	.04½	.04½	French, bales.....lb	.18	.20
Cochin, ABC & Lemon, bags...lb	.21½	.22	KAMALA, boxes.....lb	1.05	1.10	Millet Seed, dom. yellow bags...lb	.03½	.04
Ginseng Root, cultivated, bags...lb	8.00	10.00	Karaya Gum, powdered, bbls...lb	.10	.18	Montan Wax, crude bags.....lb	.05½	.06
Northwestern Wild, bags.....lb	12.00	14.00	Kava Kava Root, bags.....lb	.12	.12½	Bleached.....lb	..	..
Southern Wild, bags.....lb	9.00	11.00	Kino Gum, black cases.....lb	.50	.55	Moss, Iceland bales.....lb	.07½	.08
Golden Seal Root, bags.....lb	3.70	3.80	Kola Nuts, 150 lb bags.....lb	.04½	.05	Irish, bleached, bales.....lb	.08½	.09
Powdered, boxes.....lb	3.90	4.00	Kousso Flowers, bags.....lb	1.50	1.75	Selected, bales.....lb	.10	.10½
Grain of Paradise, bags.....lb	.15	.16				Mullein Flowers, tins.....lb	.90	1.00

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Tonquin.....	22.00	25.00	Pennyroyal Herb, bales.....	.08	.12	Rose Petals, pale.....	.22	.25
Grain Cab.....	25.00	26.00	Pepper, black Sling bags.....	.10 1/4	.12	Red.....	.65	.70
Tonquin.....	35.00	38.00	White, bags.....	.18 1/4	.19	Rue Herb, bales.....	.18	.22
Synthetic, see Chemicals			Peppers, red Mombasa, bags.....	.10	.10 1/4	SABADILLA SEED, bags.....	.13	.14
Musk Root, Russian bags.....	2.50	2.75	Cherries, bags.....	.14	.16	Powder, bbls.....	.15	.16
Mustard Seed, Earl brown bags..	.11	.11 1/4	Bombay, bags.....	.12	.14	Saffron Flowers, Amer. bales....	.72	.75
Bombay, brown.....	.08 1/4	.09	Japan, bags.....	.22	.24	Valencia, 1 lb cans.....	38.00	39.00
California, brown.....	.11	.11 1/4	Peppermint Leaves, imp. bales...	.22	.24	Sage, Dalmatian bales.....	.05	.05 1/4
Yellow.....	.05	.05 1/4	Cuts, bales.....	.12	.14	Greek, bales.....	.04 1/4	.05
Chinese yellow.....	.10 1/4	.11	Domestic leaf.....	.18	.19	Spanish, bales.....	.03	.03 1/4
English, yellow.....	.07 1/4	.08	Peru Balsam, see Balsams			Sandalwood, chips bags.....	.17	.18
Dutch, yellow.....	.09	.09 1/4	Pichi Leaves, bags.....	.42	.47	Ground, bags.....	.21	.22
Danish, yellow.....	.24	.26	Pimento, select bags.....	.08	.08 1/4	Sandane Gum, 300 lb bbls....	.29	.30
Myrrh Gum, select 200 lb cases...	.20	.22	Pink Root, true bags.....	.80	.85	Sarsaparilla Root, Honduras, bales...	.58	.60
Sorts, cases.....	.17	.18	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales.....	.20	.22
NUTGALLS, Chinese, bags.....	.14	.15	Pleurisy Root, bags.....	.22	.22	Sassafras Bark, ordinary bales...	.15	.17
Aleppy, bags.....	.55	.57	Plantain Leaves, bales.....	.15	.15	Select, bales.....	.28	.29
Nutmegs, 110s cases.....	.59	.61	Poke Berries, bags.....	.15	.15	Savory Leaves, bales.....	.06	.06 1/4
75s, 80s cases.....	.04 1/4	.05 1/4	Poke Root, bags.....	.08	.09	Saw Palmetto Berries, bags....	.09	.10
Nux Vomica Buttons, bags.....	.05	.06	Pomegranate Bark, of root bags..	.30	.30	Scammony Resin, boxes.....	1.20	1.30
Powdered, 200 lb bbls.....	.06	.06	Of Fruit, bags.....	.30	.30	Scammony Root, bags.....	.06 1/4	.07
SAK BARK, red bags.....	.06	.07	Of Tree.....	.28	.28	Senna Root, bags.....	.57 1/4	.58 1/4
White bags.....	.10	.10 1/4	Poppy Flowers, red bags.....	.14	.14 1/4	SENNA, Alex 150 lb cases.....	.21	.23
Oilbanum Gum, sift 280 lb cases..	.12	.12 1/4	Poppy seeds, Dutch, bags.....	.11	.12	Half Leaf, 350 lb bales.....	.13	.15
Tears, 280 lb cases.....	.22	.23	German, bags.....	.07	.07 1/4	Siftings, 400 lb bales.....	.10	.11
No. 1, all white 280 lb cases...	12.00	13.00	Turkish, bags.....	.09	.09 1/4	Powdered, 300 lb bbls.....	.14	.14 1/4
Opium, gum, USP, cases.....	13.00	14.00	Blue Indian, bags.....	.08	.08 1/4	Timmerly, job 350 lb bbls....	.11	.11 1/4
Granular, cans.....	.50	1.00	White Indian, bags.....	.24	.26	Grinding, 350 bales.....	.05	.07
Powdered, USP, cans.....	.07 1/4	.07 1/2	Prickly Ash Bark, Southern, bags..	.14	.16	Powdered, 200 lb bbls.....	.08	.09
Orange Flowers, cases.....	.10	.11	Prince's Pine, bales.....	.25	.30	Pods, 350 lb bales.....	.15	.17
Orange Peel, bitter, bags.....	.07	.08	Pulsatilla Herb, bags.....	.16	.18	Serpentaria Root, bags.....	.85	.86
Sweet, bags.....	.06	.06 1/4	Pumpkin Seed, bags.....	.18	.20	Shellac, D.C., bags.....	.77	.79
ORRIS ROOT Florentine bold bags..	.07	.08	QUASSIA CHIPS, bags.....	.07	.07 1/4	V.S.O. bags.....	.77	.79
Powdered, 200 lb bbls.....	.06	.06 1/4	Queen of the Meadow Herb, bags..	.70	.95	Diamond I, bags.....	.77	.79
Verona, bags.....	.07 1/4	.09	Quince Seed, bags.....	.05	.05 1/4	Superfine, Orange, bags....	.66	.67
Powdered, 200 lb bbls.....	.50	.55	Dutch, bags.....	.05	.05 1/4	Fine, bags.....	.65	.66
Fingers, cases.....	.22	.24	HAPE SEED, South Amer. bags..	.56	.60	T.N., bags.....	.62	.63
Green, hard bags.....	.27	.28	Japanese, small, bags.....	.17	.19	Garnet, A. C.....	.57	.58
Refined, yellow bags.....	.18	.24	Raspberries, dried boxes.....	.09	.10	Button, bags.....	.74	.75
PAPRIKA, bags.....	.26	.28	Red Saunders.....	.35	.37	Bleached, ground, bbls.....	.61	.63
Hungarian.....	.13	.14	Rhatany Root, bags.....	.40	.42	Bone Dry, bbls.....	.73	.74
Pareira Brava Root, bags.....	.09	.10	RHUBARB, Root, H.D., cases....	.04 1/4	.05	Simaruba Bark, bales.....	.07	.08
Parsley Seed, bags.....			Powdered, 200 lb bags.....			Sideritis Herb, cut bags.....	.15	.18
			Rosemary Leaves, bales.....			Skulleap Leaves, Eastern, bales..	.65	.70
						Western, bales.....	.34	.38
						Sloe Berries, bags.....	.03	.04

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Crude Drugs

Snake Root, Canada natural bags..lb	.45	: .50
Stripped, bags ..lb	.50	: .65
SOAP BARK, whole, 150-200 lb		
bales ..lb	.08	: .08 1/2
Cut, 125-175 lb bags ..lb	.09 1/4	: .10
Crushed, 200 lb bbls. ....lb	.10	: .10 1/4
Powdered, 200 lb bbls. ....lb	.12	: .13
Spear-mint Leaves, American bales..lb	.15	: .22
Spermacet, blocks, cakes, cases..lb	.43	: .45
Spikenard Root, bags ..lb	.23	: .24
Spruce Gum, boxes ..lb	1.00	: 1.50
Squaw Vine, bales ..lb	.18	: .20
Squills, white ..lb	.04 1/2	: .05
Powdered, bulk ..lb	.35	: .40
Stavesacre Seed, bags ..lb	...	...
Stick-lac, Siam, 250 lb bales....lb	.44	: .46
Stillingia Root, bags ..lb	.11 1/2	: .12
Stone Root, bags ..lb	.09	: .10
Storax, liquid artif. ....lb	.70	: .75
Gen. USP ..lb	.90	: 1.00
St. Ignatius Beans, bags ..lb	.12	: .13
St. John's Bread, bags ..lb	.03	: .05
Stramonium Leaves, bales ..lb	.06 1/2	: .07 1/2
Stramonium Seed, bags ..lb	.12	: .13
Strophanthus Seed, Hispidus....lb	.42	: .44
Kombe, bags ..lb	.43	: .45
Sunflower Seed, domestic bags....lb	.06	: .06 1/2
South American, bags ..lb	.05	: .05 1/2
TAGALDER BARK, bags ..lb	.05	: .06
Tamarinde, bbls. ....lb	.05 1/2	: .06
Kops ..lb	...	3.50
Tansy Herb, bales ..lb	.18	: .19
Tar, Barbadoes, 50 gal. bbls....gal	1.40	: 1.50
Thus Gum, 280 lb bbls. ....lb	...	...
Thyme, Spanish bales ..lb	.05 1/2	: .06 1/2
French, bales ..lb	.05	: .08 1/2
Tilia, See Linden		
Tolu Balsam, see Balsams		
Tonga Bark, bags ..lb	.27	: .29
Tonka Beans, Angostura, cases....lb	2.15	: 2.25
Para, cases ..lb	.75	: .80
Surinam, cases ..lb	...	...

Tragacanth Gum, No. 1, ribbon		
160 lb cs. ....lb	1.15	: 1.20
No. 2 to No. 6, cases....lb	.90	: 1.16
Powdered, 50 lb boxes ..lb	.80	: .82
Turkish, cases ..lb	.70	: .85
Turneric Root, Madras bags....lb	.12 1/4	: .13
Aleppy, bags ..lb	.10 1/4	: .11
Powdered ..lb	.12	: .13
China, bags ..lb	.09	: .09 1/2
Turpentine, Venice, true 80 lb cs..lb	.15	: .16
Artificial, 80 lb cases ..lb	.11	: .13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Heloni		
True, see Aletris		
Uva Ursi Leaves, bales ..lb	.04 1/2	: .05
VALERIAN ROOT, Belgian bags..lb	.10	: .10 1/2
Vanilla Beans Mex. whole cases..lb	11.00	: 12.50
Cuts, cases ..lb	9.00	: 10.00
Bourbon, cases ..lb	9.00	: 10.00
South American, cases ..lb	...	...
Tahiti, yellow label cases....lb	7.00	: 7.50
Green Label, cases ..lb	...	...
Vetiver Root, 100 lb bags....lb	.25	: .26
Violet Flowers, bags ..lb	.80	: .85
WAHOO BARK, of root bags ..lb	.80	: .85
Of Tree, bags ..lb	.40	: .42
White Pine Bark, rounded, bags....lb	.07 1/2	: .08
White Poplar Bark, bags ..lb	.06	: .07
Wild Cherry Bark, thin green		
Rounded, bales ..lb	.12	: .13
Thick Rounded, bales ..lb	.08	: .09
Thin Natural, bales ..lb	.08 1/2	: .09 1/2
Thick Natural, bales ..lb	.05	: .06
Willow, bark bags ..lb	...	.06
White, bags ..lb	...	.15
Witch Hazel Bark, bgs. ....lb	.07	: .08
Witch Hazel Leaves, bales ..lb	.07 1/2	: .08
Worm Seed, American bags....lb	.08 1/2	: .09
Lerant, bags ..lb	2.75	: 4.00
Wormwood Herb, imported bales..lb	...	10
Yacca Gum, red ..lb	.04	: .04 1/2
Ground ..lb	.05 1/2	: .06 1/2
YELLOW DOCK ROOT, bags ..lb	.12	: .14
Yellow Parilla Root, bags ..lb	.16	: .17
Yerba Santa, bags ..lb	.09	: .09 1/2
Zedoary Root, bags ..lb	.11	: .12

Essential Oils

Almond Bitter USP, 5 lb bot....lb	3.15	: 3.25
Bitter ft PA 5 lb bots ..lb	3.25	: 3.50
Sweet, 56 lb cans ..lb	.55	: .60
Peach Kernel, 55 lb tins....lb	.24	: .25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins....lb	.70	: .75
Rectified, 25 lb tins....lb	.85	: .90
Angelica Root, 1 lb bot....lb	32.00	: 36.00
ANISE, Tech., 66 lb case....lb	.47 1/2	: .49 1/2
USP, 50 lb tins ..lb	.50	: .52
Bay, 25 lb tins ..lb	2.20	: 2.30
Bergamot, 25 lb coppers....lb	3.40	: 3.75
Artificial, 25 lb cans ..lb	2.20	: 2.35
Birch Tar, rect. 5 lb bot....lb	.75	: .80
Crude, 50 lb tins....lb	.30	: .50
Bols de Rose, 25 lb tins....lb	...	...
Cade, 25 lb cans ..lb	.35	: .40
Calypso, native, 50 lb tins....lb	.75	: .80
Calamus, 5 lb bot....lb	4.20	: 4.65
Camphor, heavy, 1000 lb drums..lb	.14 1/2	: .15
Japanese, white, 72 lb cases..lb	.14	: .14 1/2
White, 1000 lb drums ..lb	.13 1/2	: .14
Cananga, native 25 lb tins....lb	2.00	: 2.25
Rectified, 25 lb tins....lb	2.50	: 3.00
Caraway, USP ..lb	4.00	: 4.50
Cardamom, USP, 1 lb bot....lb	28.00	: 30.00
Carvel, 5 lb bot....lb	14.00	: 15.00
CASSIA, 80-85 p.c. 400 lb drs..lb	...	...
Redistilled, USP, 50 lb cans..lb	2.85	: 3.00
Cedar Leaf, 50 lb tins....lb	.90	: 1.00
Cedar Wood, light 1000 lb drums..lb	.70	: .72
Celery, 1 lb bot....lb	10.00	: 11.00
Chaulmoogra, 80 lb cases ..lb	.85	: .90
Cinnamon, Ceylon, 1 lb bot....lb	11.00	: 12.50
Leaf, 5 lb bot....lb	1.40	: 1.50
CITRONELLA, Ceylon		
1000 lb drums ..lb	.73	: .80
50 lb tins ..lb	.78	: .83
Java, 400 lb drums....lb
50 lb tins ..lb
Cloves, USP, 50 lb cans ..lb	1.90	: 1.95
6 lb bot....lb	2.00	: 2.05

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Copaiba, USP, 50 lb tins.....	D	.40	: .42
Coriander, USP, 1 lb bot.....	D	11.25	: 11.75
Croton, USP, 25 lb tins.....	D	.95	: 1.00
Cubeba, USP, 5 lb bot.....	D	5.00	: 5.25
Cumidin, 1 lb bot.....	D	11.50	: 12.00
Dill, 1 lb bot.....	D	4.25	: 4.50
Erigeron, 20 lb tins.....	D	1.30	: 1.40
EUCALYPTUS, Austral. USP			
50 lb cs.....	D	.59	: .61
500 lb drums.....	D	.57	: .59
Fennel, USP, 25 lb tins.....	D	.90	: 1.10
Geranium, Algerian, 25 lb tins.....	D	7.25	: 8.00
Bourbon, 25 lb tins.....	D	7.00	: 8.00
Turkish, 25 lb tins.....	D	4.25	: 4.50
Ginger, 1 lb bot.....	D	9.00	: 10.00
Singapore, 25 lb tins.....	D	2.75	: 3.00
Hemlock, 50 lb cans.....	D	.85	: .95
Juniper Berries, USP, 25 lb tins.....	D	1.25	: 1.30
Wood, 50 lb tins.....	D	.50	: .60
Lavender, USP, 25 lb tins.....	D	5.50	: 6.50
Spice, Spanish, 50 lb cans.....	D	.85	: 1.25
LEMONGRASS, Ital. USP, 25 lb tins.....	D	.87	: .95
American, USP, 25 lb tins.....	D	.75	: .80
Lemongrass, native, 50 lb cans.....	D	.85	: 1.00
Limes, spruce, 25 lb tins.....	D	2.40	: 2.50
Distilled, 25 lb tins.....	D	1.05	: 1.10
Linaloe, Mex 80 lb cases.....	D	3.40	: 3.60
Mace, distilled, 50 lb tins.....	D	1.45	: 1.50
Mirbane, ref., see Ar. Chemicals			
Mustard, USP, 1 lb bot.....	D	...	: 14.00
Artif., USP, 1 lb bot.....	D	3.00	: 3.25
Neroli, Bigarade, 1/4 & 1 lb bot.....	D	40.00	: 60.00
Petale, 1 lb bot.....	D	90.00	: 120.00
Artificial, 1 lb bot.....	D	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	D	1.45	: 1.50
Orange, bitter, 25 lb tins.....	D	2.60	: 2.75
Sweet, W. Ind., 25 lb tins.....	D	2.50	: 2.60
Italian, 25 lb cop.....	D	2.70	: 2.90
American, 25 lb tins.....	D	3.00	: 3.10
Distilled, 25 lb tins.....	D	1.50	: 1.75
Spanish, 25 lb tins.....	D	2.45	: 2.60
Origanum, 50 lb cans tech.....	D	.36	: .35
Parsley, 1 lb bot.....	D	3.50	: 4.00
Patchouli, 5 lb bot.....	D	4.50	: 5.50
Pennyroyal, dom., 25 lb tins.....	D	2.00	: 2.15
Imported, 25 lb tins.....	D	1.65	: 1.70
PEPPERMINT, nat., 60 lb cases.....	D	5.75	: 6.00
Rodin, USP, 60 lb cases.....	D	6.25	: 6.50
Petit Grain, S. Am. 25 lb tins.....	D	1.90	: 1.95
French, 1 lb bot.....	D	7.00	: 8.00
Italian, 25 lb tins.....	D	2.25	: 2.35

Pimento, 25 lb tins.....	D	2.25	: 2.35
Pinus Sylvestris, 25 lb tins.....	D	...	: 1.40
Pumilio, USP, 25 lb tins.....	D	...	: 2.25
Roe, Fr., 8, 16 & 32 oz pkgs.....	cs	...	: 9.00
Bulg., 8, 16 & 32 oz pkgs.....	cs	8.00	: 9.00
Artificial, 1 lb bot.....	cs	2.00	: 3.00
Rosemary, USP, 27 1/2 lb. tins.....	D	.42	: .46
1000 lb drums.....	D	.35	: .40
Tech., 27 1/2 lb. tins.....	D	.35	: .40
Rue, 1 lb bot.....	D	...	: 4.25
Sandalwood, E. Ind. USP, 70 lb cases.....	D	6.15	: 6.25
W. Indian, (Amyris) 25 lb tins.....	D	2.80	: 2.90
Sassafras, USP, 50 lb cans.....	D	1.30	: 1.35
Artificial, 1000 lb drs., 60 lb cans.....	D	.34	: .36
Savin, 5 lb tins.....	D	2.25	: 2.40
Spearmint, USP, 60 lb cases.....	D	3.30	: 3.40
Spruce, 50 lb tins.....	D	.85	: .95
Tansy Amer., 20 lb tins.....	D	2.75	: 3.00
Tar, 50 gal. bbls.....	gal	.25	: .26
Refined, USP 25 lb tins.....	D	...	: ...
Thyme, red, USP, 25 lb tins.....	D	.85	: 1.00
White, USP, 25 lb tins.....	D	1.00	: 1.10
Tech., 110 lb drums.....	D	.80	: .85
Vetiver, Bourbon 1 lb bot.....	D	12.00	: 14.00
Wine, 1 lb bot.....	D	30.00	: 32.00
Wine, heavy 1 lb bot.....	D	...	: 1.50

WINTERGREEN

Sweet herb., 25 lb tins.....	D	2.50	: 3.00
Southern, 25 lb tins.....	D	1.85	: 2.00
Gaultheria, true 25 lb tins.....	D	7.00	: 8.00
Southern, 25 lb tins.....	D	3.75	: 4.00
Synthetic, USP, 50 lb cases.....	D	...	: .47
Wormwood, Balt., USP, 25 lb tins.....	D	4.25	: 4.50
Wormwood, dom., 25 lb tins.....	D	3.60	: 3.75
Ylang Ylang, Bourbon 10 lb tins.....	D	...	: ...
No. 1.....	D	6.00	: 8.00
No. 2.....	D	5.00	: 6.00
Manila, 1 lb bot.....	D	28.00	: 40.00
Artificial, 1 lb bot.....	D	10.00	: 12.00

OLEORESINS

Aspidium, USP, 1 lb bot.....	D	2.75	: 3.00
Capsicum, USP, 5 lb bot.....	D	2.50	: 2.75
Gliger, 5 lb bot.....	D	3.35	: 3.60
Cubeb, USP, 1 lb bot.....	D	4.50	: 4.75
Malefera, See Aspidium			
Orris 1 lb bot.....	D	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	D	3.50	: 4.00
Vanilla, 1 lb bot.....	D	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.25	: 1.75
Borneol, 1 lb bot.....	D	...	: 3.50
CITRAL, 25 lb cans.....	D	2.75	: 3.00
Citronellal, 1 lb bot.....	D	2.00	: 2.25
EUCALYPTOL, USP, 25 lb cans.....	D	...	: .80
Eugenol, USP, 25 lb cans.....	D	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....	D	2.75	: 3.50
Imported, 5 lb bot.....	D	3.50	: 4.25
Iso-Eugenol, 1 lb bot.....	D	4.50	: 5.00
Imported.....	D	5.25	: 6.25
Linalol, 5 lb bot.....	D	6.25	: 7.50
From Bois de Rose, 5 lb bot.....	D	11.00	: 12.75
MENTHOL, 60 lb cases.....	D	...	: 12.75
Less cases, 5 lb cans.....	D	...	: 13.00
Rhodinol, 1 lb bot.....	D	18.00	: 21.00
Extra, 1 lb bot.....	D	40.00	: 47.00
SAFROL, 60 lb cans.....	D	.45	: .47
Thymol, USP, 25 lb tins.....	D	5.00	: 5.25

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol. pure, 5 lb bot.....	D	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	D	4.25	: 4.50
Aldehyde C-8 (Octyl) 1 lb bot.....	D	45.00	: 60.00
Aldehyde C-9 (Nonyl) 1 lb bot.....	D	70.00	: 75.00
Aldehyde C-10 (Decyl) 1 lb bot.....	D	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.....	D	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	D	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	D	70.00	: 80.00
Aniline, see Anisic Aldehyde			
Amyl Acetate, pure 5 gal. cans.....	gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	D	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	D	4.00	: 4.50
Amyl Formate, 1 lb bot.....	D	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot.....	D	4.50	: 5.00
AMYL SALICYLATE, dom. 100 lb chys.....	D	1.45	: 1.50
Imported.....	D	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	D	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	D	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb chys.....	D	1.40	: 1.50
FFC, 40 lb chys.....	D	1.50	: 1.65
Benzic Ether, See Ethyl Benzoate			
Benzophenone, 1 lb bot.....	D	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	D	1.55	: 1.75

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Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.	1.45	1.55
BENZYL BENZOATE, 5 lb bot.	1.60	1.75
Medicinal PFC	1.75	2.00
Benzyl Butyrate, C.P., 1 lb bot.	5.50	6.00
Benzyl Cinnamate, 1 lb bot.	10.00	10.50
Benzyl Formate, 1 lb bot.	3.00	3.25
Benzyl Propionate, 1 lb bot.	5.00	5.25
Benzyl Acetate, 1 lb bot.	3.00	3.50
Bromostyrol, 25 lb keg	3.00	4.00
Butyl Anthranilate, 1 lb bot. dom.	...	16.00
Butyric Ether, See Ethyl Butyrate		
Cinnamic Acid, 5 lb cans.	3.00	3.25
Cinnamic Alcohol, liquid 1 lb bot.	9.00	9.50
Crystallizable	9.50	10.00
Cinnamic Aldehyde	3.50	3.75
CITRONELLOL, 1 lb bot.	9.00	11.00
Imported, 1 lb bot.	10.00	12.00
Citronellyl Acetate, 1 lb bot.	13.00	14.00
COUMARIN, 25 lb cans	3.25	3.45
DIETHYL PHTHALATE, 25 lb cans	4.0	4.5
1000 lb drs.	3.5	4.0
Diphenylpicric, 25 lb cans	8.5	9.0
Ethyl Acetate, pure, 5 lb bot.	4.5	5.0
Ethyl Benzate, 5 lb bot.	1.85	2.00
Ethyl Butyrate, 5 lb bot.	1.75	2.00
Ethyl Caproate, 1 lb bot.	3.25	3.50
Ethyl Cinnamate, 1 lb bot.	3.50	3.75
Ethyl Formate, 5 lb bot.	2.00	2.10
Ethyl-methyl Paracresol, 1 lb bot.	3.35	3.50
Ethyl Phenylacetate, 5 lb bot.	3.75	4.00
Ethyl Propionate, 1 lb bot.	2.25	2.50
Ethyl Valerate, 5 lb bot.	4.50	4.75
Ethyl Salicylate, 5 lb bot.	3.25	3.50
Formic Ether See Ethyl Formate		
Geranyl Acetate, 1 lb bot.	5.00	5.50
Geranyl Butyrate, 1 lb bot.	13.00	13.50
Geranyl Formate, 1 lb bot.	12.00	12.50
Heliotropin, dom., 100-100 lb.	1.85	2.00
Imported	2.25	2.50
Hydroxyacetone, 1 lb bot.	12.00	14.00
Indol, C.P., 1 oz. bot.	6.00	6.50
Isobutyl, 1 lb bot.	10.00	11.00
Alpha	14.50	16.00
Beta	12.75	14.50
Methyl	16.00	18.00

Iso-Butyl Benzate, 5 lb bot.	4.75	5.00
Iso-Safrol, 1 lb bot. imported.	5.00	5.25
Domestic, 5 lb bot.	4.00	4.25
Linalyl Acetate, 1 lb bot. dom.	8.00	9.50
Imp., 1 lb bot.	8.00	8.50
Linalyl Benzate, 1 lb bot.	13.00	14.00
Linalyl Formate, 5 lb bot.	10.50	12.00
Methyl Acetophenone	4.75	5.00
METHYL ANTHRANILATE dom., 1 lb bot.	2.75	3.25
Imported	4.50	5.00
Methyl Benzate, 5 lb bot. import.	2.00	2.25
Domestic, 5 lb bot.	1.75	2.00
Methyl Cinnamate, 1 lb bot.	3.50	3.75
Methyl Heptenone, 1 lb bot.	8.00	8.25
Methyl Paracresol, 1 lb bot.	8.00	9.00
Methyl Phenylacetate, 5 lb bot. dom.	3.75	4.00
METHYL SALICYLATE, USP 500 lb drums	...	4.5
50 lb cans	...	4.7
Second Hands	4.4	4.5
Mirbane, rect., 1000 lb drums	12 1/4	14
Musk Ambrette, 1 lb cans.	12.00	13.00
Musk Ketone, 1 lb cans.	15.00	16.00
Musk Xylene, 5 lb cans.	3.75	3.90
Nerolin, 1 lb cans.	1.65	2.00
Ononathal Ether, 1 lb bot.	1.50	2.00
Phenylacetate, dom.		
1 lb. bot. 50 p.c.	8.00	8.50
Imported, 50 p.c.	7.50	8.00
80-85 p.c.	14.00	16.00
Phenylacetic Acid, 1 lb bot.	3.00	3.25
Phenyl Diacetate, 1 oz. bot.	3.25	3.50
PHENYLETHYLALCOHOL dom., 1 lb bot.	8.00	10.00
Imported	7.00	7.75
Phenylethyl Butyrate, 1 lb bot.	26.00	28.00
Phenylethyl Formate, 1 lb bot.	19.00	21.00
Phenylethyl Propionate, 1 lb bot.	20.00	24.00
Phenylethyl Valerate, 1 lb bot.	25.00	29.00
Phenylpropylalcohol, 1 lb bot.	15.00	16.00

Skatol, 1 oz. bot.	7.00	7.25
Terpinyl Acetate, 25 lb cans.	1.85	1.85
Imported, 25 lb cans.	1.90	2.20
TERPINEOL, C.P., 1000 lb drums	48	50
Cans, 50 lb	53	57
Absolute, 25 lb cans	90	1.15
Imported, 25 lb cans	1.00	1.10
VANILLIN, USP, 500 oz. cans.	...	40 1/2
Cans, 16 oz., 80 oz.	50	51
Second Hands	47	50
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb cans.	1.75	2.00

PERFUMERS' SUNDRIES

Almond Meal, 25 lb cans.	28	30
Ambergris, black, bxs.	8.00	10.00
Ambergris, gray, bxs.	...	26.00
Balsam Copaiba, Para, 80 lb cases.	29	31
South American, 80 lb cases.	40	42
Balsam Peru, 120 lb cases.	1.75	1.80
Balsam Tolu, 90 lb cases.	1.80	1.90
Benzoin Gum, Siam, bxs.	1.30	1.35
Castoreum, 1 lb bot.	4.00	4.50
Chalk, precip. light, 175 lb bbls.	04 1/4	05
Cherry Laurel Water, 5 gal cans.	1.15	1.25
Civet Abyssin, horns.	2.75	3.75
Labdanum, 5 lb bot.	...	8.00
Lanolin hydrous, 350 lb bbls.	15	21
Anhydrous, 350 lb bbls.	18	23
Musk pods, Cabardine, tins.	16.00	17.00
Tonquin, tins	22.00	25.00
Grains, Cabardine, tins.	25.00	26.00
Tonquin, tins	55.00	58.00
Synthetic. See Aromatic Chemicals		
Oris R. Flor., powd. bbls.	08 1/4	09
Verona, bbls.	05	06
Petrolatum, snow white-350 lb bbls.	12 1/4	13
Light Amber, 350 lb bbls.	04 1/4	05
Rice Starch, 140 lb bgs.	09	10
Rose Water, 6 2-3 gal cys.	1.00	1.25
Sandalwood chips, powd. bags.	1.30	1.35
Saponin, 5 lb tins	1.25	1.50
Tale Italian, 220 lb bgs.	60.00	80.00
Tale French, 220 lb bags.	40.00	45.00
Tale, domestic ref., 100 lb bags.	14.00	15.00

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Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, Oct. 11 to Oct. 18

ACIDS—Arsenious, 92 bbls., Amer. Metal Co., Tampico; Benzoic, 3 cs., H. J. Baker & Bro., London; Citric, 60 cks., C. L. Huiskins Inc., Palermo; Crocylic, 23 drs., De Mattia Chem. Inc., Manchester; 12 drs., Order, Liverpool; Formic, 80 drs., Roessler & Hasslacher Chem. Co., Rotterdam; 150 demijohns, R. W. Greeff & Co., Rotterdam; Oxalic, 35 cks., Superfos Co., Rotterdam; 42 cks., Roessler & Hasslacher Chem. Co., Christiania; Stearic, 20 cs., M. W. Parsons & Plymouth Organic Lab., Rotterdam; Tartaric, 50 cks., Order, Palermo

AGAR AGAR—10 bls., Mitsui & Co., Kobe

ALBUMEN—Hen, 31 cs., Stein Hall & Co., Tientsin; 56 cs., F. A. Cundill & Co., Tientsin; 50 cs., A. Klipstein & Co., Shanghai; 55 cs., Habicht Braun & Co., Shanghai

ALOE—350 cs., E. Lavansbeldt & Co., Curacao

ALUM—53 bbls., Hans Hinrichs Chem. Corp., Rotterdam

AMMONIUM SALTS—Carbonate, 200 cks., C. B. Richard & Co., London; Murate, 100 cks., Kuttroff Pickhardt & Co., Rotterdam; 40 cks., Kuttroff Pickhardt & Co., Rotterdam

ANTIMONY—250 cs., Amer. Trdg. Co., Shanghai; Regu's, 250 cs., Wah Chang Trdg. Co., Shanghai; 500 cs., Suzuki & Co., Hankow; 500 cs., Wah Chang Trdg. Corp., Shanghai; Sulfide, 7 cks., L. H. Butcher & Co., London; Sulfuret, 14 cks., Order, London; 14 cks., Order, London

ARGOLS—143 bgs., Tartar Chem. Wks., Lisbon; 107 bgs., Order, Lisbon

BALSAM—7 cs., Brown Bros. & Co., Cristobal; 10 cs., Ungerer & Co., Cristobal; Copaliba, 54 cs., Nat. City Bk., Para; Tolu, 10 cs., C. E. Griffin Inc., Puerto Colombia

BAKES—5 bls., Amer. Exp. Co., Hamburg

BARIUM—Peroxide, 148 kgs., W. A. Brown & Co., Rotterdam; Barytes, 60 cks., Schall Color & Chem. Co., Rotterdam; 600 bgs., C. L. Bullock & Sons, Rotterdam

CADMIUM SULFIDE—1 cse., L. H. Butcher & Co., London

CALCIUM—Chloride, 154 drs., E. Suter Co., Rotterdam; Nitrate, 61 cks., Kuttroff Pickhardt Co., Rotterdam

CAMPBOR—40 cs., L. C. Hopkins Co., Canton; 200 cs., Suzuki & Co., Shanghai; 30 cs., J. W. Hampton Jr. & Co., Keelung; 270 cs., Fiberloid Corp., Keelung

CANTHARIDES—5 bbls., 7 cs., Russian Produce Co., London; 5 bbls., 7 cs., Russian Produce Co., London

CARLSBAD SALT—12 cks., Lehn & Fink, Hamburg

CASEIN—500 bgs., Kalbfleisch Corp., Buenos Aires; 500 bgs., Kalbfleisch Corp., Buenos Aires

COLORS—10 cks., Reichard Coulston Inc., Havre; 2 cks., B. P. Ducas & Co., Rotterdam; 24 cks., Grasselli Dyestuff Corp., Rotterdam; 41 cks., Kuttroff Pickhardt & Co., Rotterdam; 6 cs., B. F. Drakenfeld & Co., Rotterdam; 5 cs., Irving Bk. Columbia Trust Co., Genoa; 20 cks., Amer. Exch. Nat. Bk., Southampton; 5 cks., Banca Comm. Italo, Genoa; 4 bbls., 7 cans, Amer. Exch. Nat. Bk., Antwerp; 4 bbls., H. A. Metz Inc., Antwerp; 3 bbls., Irving Bk., Antwerp; 20 cs., Amer. & Cuban S.S. Line, Antwerp; 1 cs., Sandoz Chem. Wks., Havre; 20 cks., Reichard Coulston Inc., Havre; 30 cks., Ciba Co., Havre; 6 cks., Carbic Color Chem. Co., Havre; 28 cks., Ciba Co., Havre; 3 cks., Geigy Co., Havre; 15 cks., Order, Havre; 2 cks., Kuttroff Pickhardt Co., Hamburg; 3 cks., Franklin Imp. & Exp. Co., Hamburg; 35 cs., Larkin & Co., Vera Cruz; 1 cse., Standard Products Corp., Havre; 2 cks., Carbic Color & Chem. Co., Havre; 3 cks., Ciba Co., Havre; Coal Tar, 11 cks., H. A. Metz & Co., Rotterdam; Earth, 13 cks., Meteor Products Co., Rotterdam; 68 cks., Reichard Coulston Inc., Rotterdam

COPRA—23 bgs., Franklin Baker Co., San Andrews

CYANIDE PRECIPITATES—17 cs., So. Amer. Development Co., Guayaquil

DEXTRINE—50 bgs., Order, Rotterdam

DIVI DIVI—131 bgs., Schmoll & Co., Monte Cristi

DRAGONS BLOOD—9 cs., Chase Nat. Bk., Singapore

EARTH—Red, 160 bgs., G. Z. Collins & Co., Bristol; 67 cks., Reichard Coulston Inc., Bristol

EPSOM SALTS—300 bgs., Brown Bros. & Co., Hamburg; 500 bgs., Innis Speiden & Co., Hamburg; 500 bgs., Innis Speiden & Co., Hamburg

EXTRACTS—Archil Liqueur, 10 cks., A. De Ronde & Co., London; 10 cks., A. De Ronde & Co., London; Logwood, 20 cks., J. Campbell Co., Savanna La Mar; Quebracho, 19,660 bgs., Tannin Corp., Buenos Aires; 19,660 bgs., Tannin Corp., Buenos Aires; Tamarind, 143 cs., Alps Drug Co., Genoa

FLOWERS—Pyrethrum, 25 bls., J. Powell & Co., Kobe

FULLERS EARTH—350 bgs., L. A. Salomon & Bro., London

GALLNUTS—112 cs., Zinsser & Co., Shanghai

GELATINE—28 cks., P. Puttmann, Rotterdam

GLUE—10 cks., Order, Antwerp; 100 bls., 20 bgs., Order, Bordeaux; 200 bgs., Globe Shpg. Co., Hamburg; 200 bgs., Equit Trust Co., Hamburg

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GUM RESIN SOLUTION—20 cks., Franklin Imp. & Exp. Co., Hamburg

GRAPHITE—Amorphous, 375 bgs., Mitsui & Co., Kobe

HARTSHORN SALT—20 cks., J. Munroe & Co., Hamburg

HERBS—3 bls., Order, Havre; 46 pgs., Malson Bayersdorfer & Co., Havre; 112 bls., Bernard Judae & Co., Havre; 66 bls., Columbo Co., Genoa

IRON OXIDE—55 cks., Reichard Coulston Inc., Liverpool; 47 cks., J. Lee Smith & Co., Liverpool; 10 cks., Order, Liverpool

JUICE—Paw Paw, 27 cs., Order, Colombo; 4 cs., Chase Nat. Bk., London

LEAD NITRATE—1 ck., Order, Rotterdam

LEAVES—Buchu, 8 bls., Order, Capetown; Digitalis, 4 cs., Lehn & Fink, London; Patchouli, 78 bls., Corn Exch. Bk., Singapore; 95 bls., D. L. Silverman, Penang; Sage, 13 bls., Stamoulis, Piraeus; Sena, 125 bls., Order, Colombo; Tobacco, 81 bls., Order, Piraeus

LICORICE—34 bgs., United Amer. Line, Hamburg

MAGNESIUM—Chloride, 546 drs., Innis Speiden & Co., Hamburg

MINERAL SALT—150 cs., Carlsbad Products Co., Hamburg

MENTHOL—20 cs., Far East Impgt Co., Kobe; 10 cs., S. N. Bridges & Co., Kobe; 33 cs., Seltzer, Havre

MYROBALANS—1,524 bgs., Order, Bombay

NAPHTHALENE—1 ck., Lehn & Fink, Hamburg

NUX VOMICA—369 bgs., Order, Madras

OILS—Castor, 21 cs., Alps Drug Co., Genoa; 100 bls., Mitsui & Co., Kobe; Coconut, Bulk, Spencer Kellogg & Sons, Manila; 650 tons, Spencer Kellogg & Sons, Manila; Cod, 300 cks., Swan & Finch, St. John; 250 cks., Nat. Oil Products Co., St. John; Codliver, 78 cks., Mead Johnston & Co., St. John; 110 bls., Amer. Exp. Co., Bergen; 50 bls., O. Wasboe, Bergen; 25 bls., Ketchum & Co., Bergen; 15 bls., W. Benkert & Co., Bergen; 200 bls., 10 cks., Order, Bergen; Fusel, 15 bls., East River Nat. Bk., Rotterdam; Linseed, 97 drs., Order, Rotterdam; Palm, 62 cks., African & Eastern Trdg. Co., Hamburg; 641 cks., Niger Co., Lagos; 1,256 cks., Irving Bk., Lagos; Rape, 1 bbl., Order, Rotterdam; Sesame, 200 bls., Lockwood & Co., Rotterdam; Sulfur Olive, 200 cks., Leghorn Trdg. Co., Leghorn; 186 bls., Bk. of Athens, Piraeus; Tar, 1 cse., Amer. Trdg. Co., Shimidzu; Wood, 300 bls., Japan Cotton Trdg. Co., Hankow; 210 cks., Order, Hankow; 146 bls., Cook & Swan Co., Shanghai; 225 bls., Mitsui & Co., Shanghai; 143 bls., G. W. S. Patterson & Co., Shanghai; 142 cks., Paterson Boardman & Knapp, Hankow

OILS—Essential, 26 cs., 4 cks., Amer. Shpg. Co., Naples; 10 cs., Brown Bros. & Co., Havre; 10 cs., Order, Havre; 6 cs., Fritzsche Bros., Hamburg; 2 cs., Orbis Products Trdg. Co., Havre; 5 cks., G. Lueders & Co., Havre; 11 cs., Polaks Frutal Wks., Rotterdam; 3 cs., Ungerer & Co., London; 9 cks., P. R. Dreyer, Cannes; Bay, 12 cs., G. Preston, Jobos; Camphor, 100 drs., B. F. Bush, Koe; 25 drs., D. L. Moss & Co., Shanghai; Caraway Seed, 1 cse., J. W. Lyon, Rotterdam; Cassia, 5 drs., Brown Bros. & Co., Hongkong; 5 drs., Equit. Trust Co., Hongkong; Cinnamon Leaf, 7 drs., Phila. Nat. Bk., Colombo; Citronella, 2 drs., Ungerer & Co., London; 2 drs., Ungerer & Co., London; 10 drs., Order, Colombo; Colza, 10 cks., F. B. Vandegrift & Co., Havre; Lavender, 15 bxs., J. W. Lyon, Cannes; Linoleo, 4 drs., Order, Vera Cruz; Origanum, 6 drs., Goldman Sachs & Co., Rotterdam

OPUM 15 cs., Brown Bros. & Co., Piraeus

POTASSIUM SALTS—Alum, 207 cks., A. Klipstein & Co., Rotterdam; Bicarbonate, 75 cks., Meteor Products Co., Rotterdam; Caustic, 375 drs., A. Klipstein & Co., Hamburg; 75 drs., Parsons & Pettit, Hamburg; Chlorate, 850 cks., Seaboard Nat. Bk., Hamburg; Manure Salt, 1 lot, Potash Imp. Corp., Hamburg; Prussiate, 20 cks., East River Nat. Bk., Rotterdam; 26 kgs., C. Tennant Sons & Co., Liverpool; Sulfate, 4,000 bgs., Potash Impgt. Corp. of Amer., Hamburg

PYRIDINE—6 drs., Order, London; 6 drs., Order, London

QUICKSILVER—40 flasks, Poillon & Poirier, Vera Cruz; 50 bottles, H. W. Peabody & Co., London; 50 bottles, A. Pickering & Co., London; 50 bottles, Order, London; 50 bottles, H. W. Peabody & Co., London; 50 bottles, A. Pickering & Co., London

QUININE—Bisulfate, 17 cs., Victor & Hosken, Yokohama; 52 cs., R. W. Greeff & Co., Rotterdam

RESIN—30 brls., Order, Piraeus; 6 cs., Nat. City Bk., Para

ROOTS—38 bls., Order, London; Broom, 65 bls., H. Triest & Co., Vera Cruz; Canagria, 21 cks., Order, Vera Cruz; Dandelion, 43 bgs., Peek & Velsor, Hamburg; Pariera, 30 bgs., W. E. Peck & Co., Hamburg; Rhubarb, 20 bgs., Chase Nat. Bk., London; Sour Cane, 15 bgs., W. Benkert & Co., Vera Cruz; 90 bgs., P. E. Anderson & Co., Vera Cruz

RYE—Ergot, 37 cs., Order, Lisbon

SAL AMMONIAC—34 cks., Seaboard Nat. Bk., Rotterdam

SALT—400 bgs., J. Auerbach & Co., Turks Island; 81 bls., West India Oil Co., Hamilton, Bermuda

SENNA—1.0 bls., Order, Colombo; Pods, 25 bls., Order, Colombo

SHELLAC—175 bgs., Ralli Bros., Hamburg; 31 cs., G. F. Gerlach, Rotterdam; 100 bgs., Order, London; Garnet, 50 cs., Rogers Pyatt Shellac Co., Hamburg; Orange, 25 cs., Rogers Pyatt Shellac Co., Hamburg; Sticklac, 112 bgs., Internat'l Bkg. Corp., Singapore; 84 cs., Order, Singapore

SODIUM SALTS—Cyanide, 224 cs., Order, Liverpool; Cyanure, 224 cs., Internat'l Bkg. Corp., Havre; Nitrate, 17,311 bgs., Wessel Duval & Co., Valparaiso; 11,050 bgs., Wessel Duval & Co., Valparaiso; 11,050 bgs., Antony Gibbs & Co., Iquique; 13,819 bgs., E. I. Dupont de Nemours, Iquique; 6,548 bgs., W. R. Grace & Co., Tocopilla; 26,987 bgs., W. R. Grace & Co., Taltal; Nitrite, 70 cks., L. Norwegian Products Co., Christiania; 35 cks., Calco Chem. Co., Christiania; 19 cks., Eastman Kodak Co., Christiania; Phosphate, 2 cks., Order, Rotterdam; Peroxide, 9 cs., F. E. Wallace, Rotterdam; Prussiate, 23 cks., Meteor Products Co., Rotterdam; 28 cks., Meteor Products Co., Rotterdam; 43 cks., C. Tennant Sons & Co., Liverpool; Silico Fluoride, 200 cks., Innis Speiden & Co., Rotterdam

SULFUR—200 cks., Heemsoth Basse & Co., Bordeaux

TALC—200 bgs., J. H. Furman Co., Genoa

TARTAR—Cream, 100 cks., Order, Rotterdam

TEA FLUFF—115 pgs., Order, Colombo; 300 bgs., Order, Colombo

UMBER—17 cks., L. H. Butcher Co., Manchester

VALONIA—1,377 bgs., A. Benadova, Smyrna; 3,242 bgs., Order, Smyrna

VANILLA—Beans, 31 cs., Dodge & Olcott Co., Marseilles; 16 cs., Dodge & Olcott Co., Vera Cruz; 85 cs., Order, Marseilles

WAX—Bees, 43 bgs., Order, Havana; 11 bgs., Yglesias & Co., Azua; 14 bgs., Curacao Trdg. Co., Santo Domingo; 27 bgs., Yglesias & Co., Sanchez; 6 seroons, W. Schall & Co., Puerto Plata; 7 bls., Cordillera Comm. Co., Puerto Plata; 5 seroons, Perocella Vicini & Co., Monte Cristi; 2 seroons, J. A. Thomen, Monte Cristi; 85 bgs., Amer. Trdg. Co., Rio de Janeiro; 67 bgs., Nat. City Bk., Lisbon; 85 bgs., Amer. Trdg. Co., Rio de Janeiro; Montan, 300 bgs., Nat. Bk. of Commerce, Hamburg; 275 bgs., Strohmeier & Arpe Co., Hamburg; Paraffin, 1 drum, Rice Palmer & Treitman, London

WHITING—500 bgs., Reichard Coulston Inc., Antwerp; 2,000 bgs., Hammill & Gillespie, Havre

WOODFLOUR—1,500 bgs., B. L. Soberski, Rotterdam; 1,016 bgs., Innis Speiden & Co., Stavanger; 6,630 bgs., Hansa Co., Copenhagen

ZINC—Ammonium Chloride, 26 cks., Goldschmidt Corp., Rotterdam; Chloride, 136 cks., Goldschmidt Corp., Rotterdam; Dust, 100 cks.,

Mitsui & Co., Kobe; Oxide, 50 bbls., Order, Marseilles; 10 cs., C. L. Huisking, London; 10 cs., C. L. Huisking, London; Resinate, 10 cks., Order, London; 10 cs., Order, London; 10 cs., Order, London

IMPORTS AT BOSTON

Oct. 11 to 18

FULLER'S EARTH—600 bags, Order, London

GLAUBER'S SALT—500 bags, R. & H. Chem. Co., Hamburg

GLUE—103 pkgs., Order, London

IRON OXIDE—110 casks, Order, Rotterdam

LITHOPONE—100 casks, Brown & Roese, Rotterdam

OILS—Linseed, 50 bbls., Order, London; Rapeseed, 54 drums, Order, London

SODIUM CHLORATE—200 pkgs., E. Suter & Co., Rotterdam

TRAGASOL—100 casks, J. B. Maston & Co., Liverpool

WOOL GREASE—200 casks, Baltimore and Rotterdam

IMPORTS AT BALTIMORE

Oct. 9 to 16

POTASH—Kainit, 90 tons, F. H. Shallos Co., Koenigsberg, Bremen; 698,500 lbs., F. H. Shallos Co., Koenigsberg, Bremen; 79,860 lbs., F. H. Shallos Co., Koenigsberg, Bremen; 1,500 bags, F. H. Shallos Co., Koenigsberg, Bremen; 1,000 bags, F. H. Shallos Co., Koenigsberg, Bremen; 1,000 bags, F. H. Shallos Co., Koenigsberg, Bremen; 1,000 bags, F. H. Shallos Co., Koenigsberg, Bremen; 1,000 bags, F. H. Shallos Co., Koenigsberg, Bremen; 3,000 bags, F. H. Shallos Co., Koenigsberg, Bremen

PYRITES—12,622,268 lbs., John S. Connor, Briarwood, Huella

SODA—Nitrate, 463 bags, United Glass Co., Delaware, Christiania

WOOL GREASE—200 casks, Baltimore and Ohio Railroad, Koenigsberg, Bremen

IMPORTS AT PHILADELPHIA

Oct. 7 to 14

AMMONIUM NITRATE—216 cases, Order, Hamburg

EPSOM SALT—511 kegs, Order, Hamburg

GLAUBER'S SALT—600 bags, Order, Hamburg

GLYCERIN—Crude, 40 drums, Order, Hamburg

GUM—Damar, 48 drums, Order, Hamburg

GUM—Damar, 192 bags, Order, Singapore

MAGNESIUM CARBONATE—63 bls., Wilkes Martin-Wilkes Co., Hamburg

POTASH—Caustic, 76 drums, Order, Hamburg

SAL AMMONIAC—28 bls., Order, Hamburg

SODIUM—Bromide, 100 cases, Order, Hamburg; 62 cans, Bank of America, Hamburg; Chlorate, 100 kegs, Order, Hamburg; Chromate, 48 cases, Bank of America, Hamburg

WHITING—450 sacks, American Express Co., London

IMPORTS AT NEW ORLEANS

Oct. 11 to 18

CHALK—250 bags, Havre

CHLORIDE OF LIME—24,000 lbs., England

PEPPER—50 bags, Rotterdam

ROSIN—300 barrels, Hamburg

SALT—15,000 sacks, Liverpool

SPONGES—19 bales, Havana

SEED—Mustard, 1,000 lbs., Netherlands

IMPORTS AT SAN FRANCISCO

Oct. 4 to 11

ANTIMONY—Regulus, 150 cases, Order, Shanghai

CAMPOR—15 cases, Order, Kobe; 15 cases, Atkins, Kroll & Co., Kobe

CASSIA—50 cases, Order, Hongkong

COPRA—3,471 bags, Atkins, Kroll & Co., Papeete; 2,226 bags, Wightman & Crane, Papeete; 4,365 bags, Order, Papeete

FLOWERS—Pyrethrum, 150 bales, Order, Kobe

MENTHOL CRYSTALS—5 cases, Atkins, Kroll & Co., Kobe; 2 cases, Order, Kobe

OIL—Coconut, 580 tons, Order, Manila; Linseed, 2 drums, Order, Manchester; Peanut, 110 cases; Shui Tai, Hongkong; 150 cases, Sing Chun, Hongkong; Perilla, 50 bbls., Order, Dairen; Rapeseed, 60 bbls., Order, Kobe; Wood, 250 bbls., Order, Hankow

VANILLA BEANS—37 cases, Order, Papeete; 3 cases, Order, Sandjong

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Hercules Powder Co.
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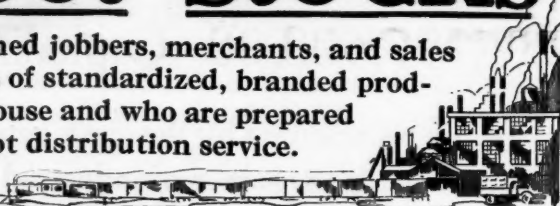
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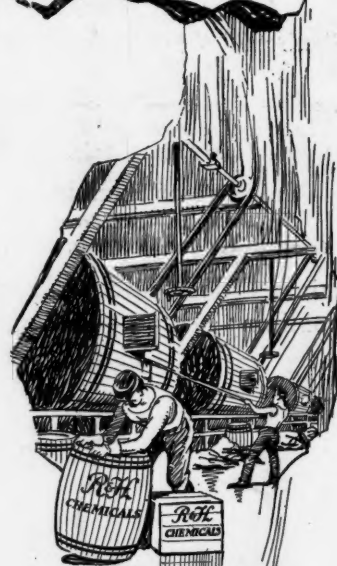
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